MOPED

Model Nos.
ZDW-57008A
ZDW-57061A
ZDW-57062A

Form No.
61M-208B*

MONTGOMERY WARD

owner's guide
and PARTS LIST

Two Cycle
Fuel Mixture—50:1

➡ IMPORTANT

SAFE OPERATION PRACTICES

Local licensing, age and traffic regulations may vary from state to state. Check existing local laws.

TRAINING

1. Read the Owner's Manual carefully. Be thoroughly familiar with the controls and proper use of the equipment.
2. Never allow children to operate a MOPED without proper and close adult supervision. Children should be of sufficient age, understanding and capacity.

PREPARATION

1. Check fuel before starting engine. Fuel mixture 50:1 (2½ oz. two cycle oil to 1 gallon of regular gasoline). Do not fill gasoline tank indoors, when engine is running, or while the engine is still hot. Wipe off any spilled gasoline before starting the engine.
2. Never start this MOPED without being in proper starting position. See page 9.

OPERATION

1. It is recommended the operator use a safety helmet and eye protection.
2. Manufacturer recommends running with lights on.
3. It is the absolute understanding that this unit is not a field bike. Any licensing needed to comply with the existing local or state vehicle requirements in any given area is the sole responsibility of the purchaser.
4. The operator should never place his hands, feet or any part of his body near any moving parts.
5. This MOPED is designed for ONE RIDER ONLY. Carrier is not for passengers.
6. This MOPED should not be used in a reckless manner, such as jumping obstacles, racing or hill climbing.
7. This MOPED is designed for hard surfaces, such as pavement.
8. Never operate this MOPED on wet or slippery surface.

MAINTENANCE AND STORAGE

1. Keep all nuts, bolts, and screws tight to be sure the unit is in a safe operating condition.
2. Never store the unit inside of a building with gasoline in the tank where the fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.
3. Prior to each use, the tire pressure should be checked and maintained. Front: 25 P.S.I., Rear: 32 P.S.I. Maximum 36 P.S.I. front and rear.
4. The tightness of the spokes should be checked after every few hours of operation. See Spoke Adjustment on page 15.

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KNOW YOUR MOPED

FIGURE 1. RIGHT HAND VIEW

1. Brake/Tail Light
2. Seat
3. Breather Cap
4. Fuel Tank and Cap
5. Choke Lever
6. Throttle Twist Grip
7. Start/Stop Switch
8. Brake Lever (Front)
9. Front Internal Drum Brake
10. Front Fork Extension
11. Right Hand Pedal
12. Pedal Chain
13. Rear Internal Drum Brake
14. Rear Swing Arm Shock

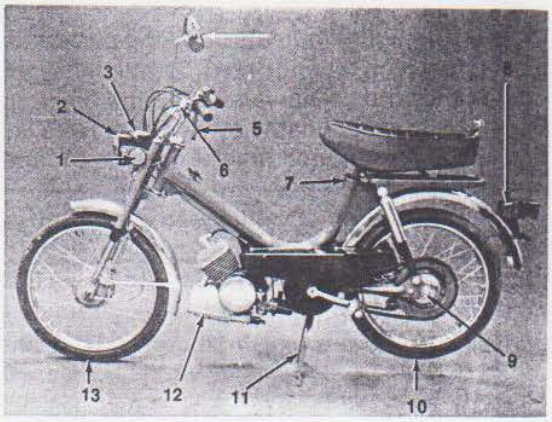


FIGURE 2. LEFT HAND VIEW

1. Amber Reflector (Front)
2. Headlight
3. Speedometer
4. Rear View Mirror
5. Starter Lever
6. Brake Lever (Rear)
7. Seat Adjusting Bolt
8. Red Reflector (Rear)
9. Chain Adjuster
10. Rear Wheel
11. Kickstand
12. Muffler
13. Front Wheel

1979 MOPED
CONSUMER INFORMATION

This sheet contains information on stopping distances, tire reserve loads and acceleration and passing ability as required by the Consumer Information Regulations issued by the National Highway Traffic Safety Administration of the United States Department of Transportation.

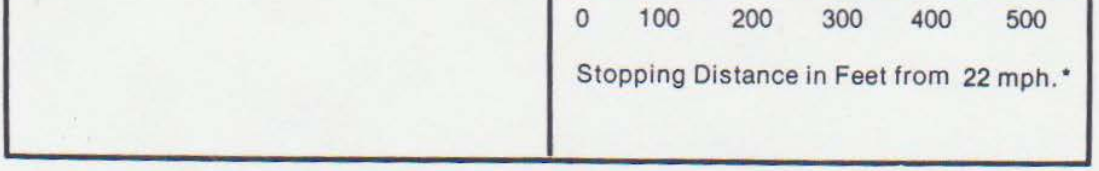
Data for stopping distances and passing ability were derived from tests conducted with new vehicles under optimum road conditions by skilled test drivers and are not necessarily representative data for a used vehicle, for many road conditions, or for the abilities of most operators.

VEHICLE STOPPING DISTANCE

This figure indicates braking performance that can be met or exceeded by the vehicles to which it applies, without locking the wheels, under different conditions of loading and with partial failures of the braking system. The information presented represents results obtainable by skilled drivers under controlled road and vehicle conditions, and the information may not be correct under other conditions.

Description of vehicles to which this table applies: **All Models of "MOPED"**

A. Fully Operational Service Brake Load	
Light	28 Ft. (130 LB. Operator)
Maximum	27 Ft. (225 LB. Operator)
B. Emergency Service Brakes (with Partial Service Brake System Failure)	**NOT CAPABLE**
C. Brake Power Unit Failure	
Maximum Load	**NOT CAPABLE**



*The maximum speed attainable by accelerating a maximum rate from a standing start for one mile.

TIRE RESERVE LOAD

This table lists the tire size designations recommended by the manufacturer for use on the vehicles to which it applies, with the recommended inflation pressure for maximum loading and the tire reserve load percentage for each of the tires listed. The tire reserve load percentage indicated is met or exceeded by each vehicle to which the table applies.

Description of Vehicles to Which the Table Applies: **All Models of "MOPED"**

Recommended Tire Size Designations		2-1/4—17
Recommended Cold Inflation Pressure for Maximum Loaded Vehicle Weight	Front	25 PSI
	Rear	32 PSI

*The difference, expressed as a percentage of tire load rating, between (a) the load rating of a tire at the vehicle manufacturer's recommended inflation pressure at the maximum loaded vehicle weight and (b) the load imposed upon the tire by the vehicle at that condition.

WARNING. Failure to maintain the recommended tire inflation pressure or to increase tire pressure as recommended when operating at maximum loaded vehicle weight, or loading the vehicle beyond the capacities specified on the tire placard affixed to the vehicle, may result in unsafe operating conditions due to premature tire failure, unfavorable handling characteristics, and excessive tire wear. The tire reserve load percentage is a measure of tire capacity, not of vehicle capacity. Loading beyond the specified vehicle capacity may result in failure of the vehicle components.

ACCELERATION AND PASSING ABILITY

This figure indicates passing times and distances that can be met or exceeded by the vehicles to which it applies in the situation diagrammed below.

The low speed pass assumes an initial speed of 20 MPH and a limiting speed of 35 MPH. The high speed pass assumes an initial speed of 50 MPH and a limiting speed of 80 MPH.

NOTICE: The information presented represents results obtainable by skilled drivers under controlled road and vehicle conditions and the information may not be correct under other conditions.

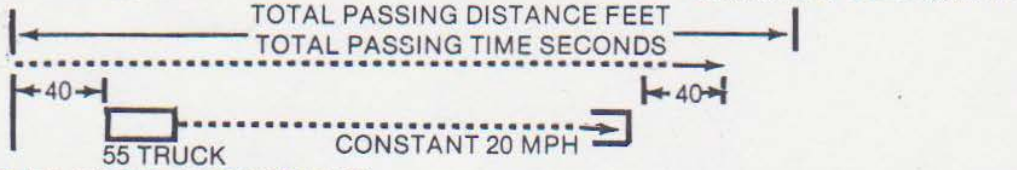
Description of vehicles to which this table applies: **All Models of "MOPED"**

SUMMARY TABLE:

LOW SPEED PASS	1,500 FEET	46 SECONDS	
HIGH SPEED PASS	FEET	SECONDS	NOT CAPABLE

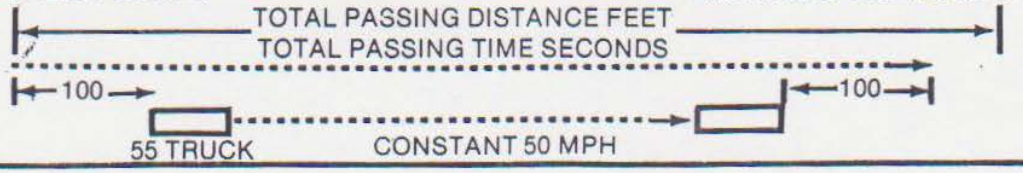
LOW SPEED

INITIAL SPEED: 20 MPH — LIMITING SPEED: 35 MPH



HIGH SPEED (MOPED NOT CAPABLE)

INITIAL SPEED: 50 MPH — LIMITING SPEED: 80 MPH



IDENTIFICATION

1. The identification number will be on the vehicle model number plate (See figure 3.) located on the main frame under the handle bars. The identification number is also stamped into the frame on the left side, just under the rear fork assembly.

FIGURE 3.

2. The Engine Type Number and Letter is stamped into the metal on the crankcase. See figure 4.

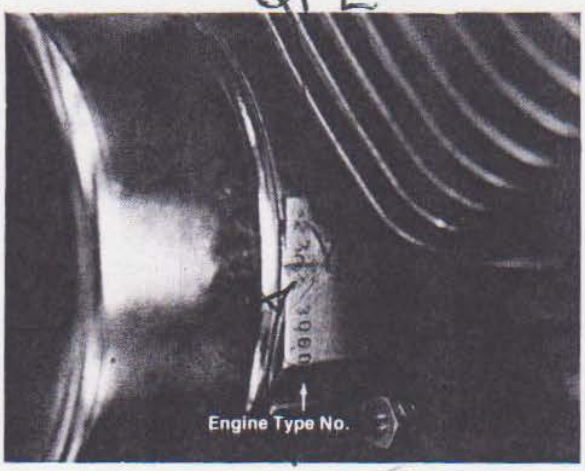


FIGURE 4.

TOOLS REQUIRED FOR ASSEMBLY

One 7/16" Open end or box end wrench.
One 12" Adjustable wrench.
One 6" Adjustable wrench.
One ¼" Standard flat screwdriver.

OTHER MATERIALS REQUIRED

One can of two-cycle oil and gasoline.

ASSEMBLY INSTRUCTIONS

The MOPED comes completely assembled with the exception of the handle bar, rear view mirror, and pedals. See figures 5 and 6.

Reference to right and left hand side are from the normal riding position, facing forward.

FIGURE 5.

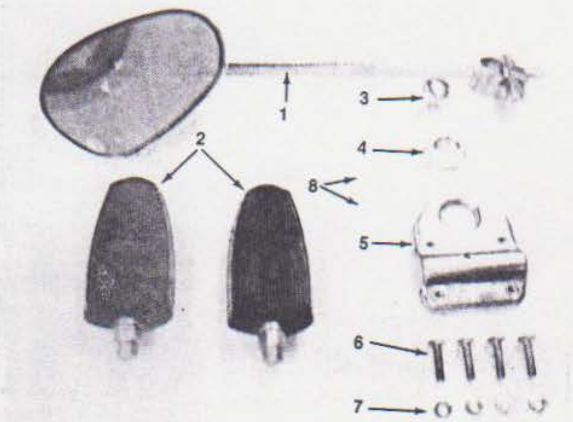


FIGURE 6.

CONTENTS OF HARDWARE PACK

1. Rear view mirror
2. R.H. and L.H. pedals
3. Plug button
4. Head tube nut
5. Handle bar plate
6. Hex screws for handle mount
7. Lockwashers
8. Two steel balls

NOTE

Remove block of wood and discard. Retain bolt and head tube nut.

HANDLE BAR ASSEMBLY

1. Leave two spacer washers on head tube.
2. Place the steel balls (8) in upper fork. See figure 7.

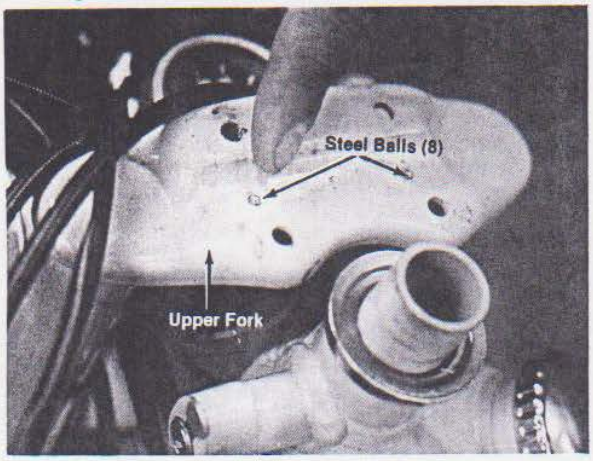


FIGURE 7.

3. Before assembly, check adjusting cone for tightness.

FIGURE 8.

4. Place the handle bar in place over the steel balls (8). Place handle bar plate (5) over handle bar and secure with four hex screws (6) and lockwashers (7). See figure 8. One 7/16" wrench is required.
5. Secure handle bar plate (5) in place with head tube nut (4). See figure 9. A 12" adjustable wrench is required. Press in plug button (3).

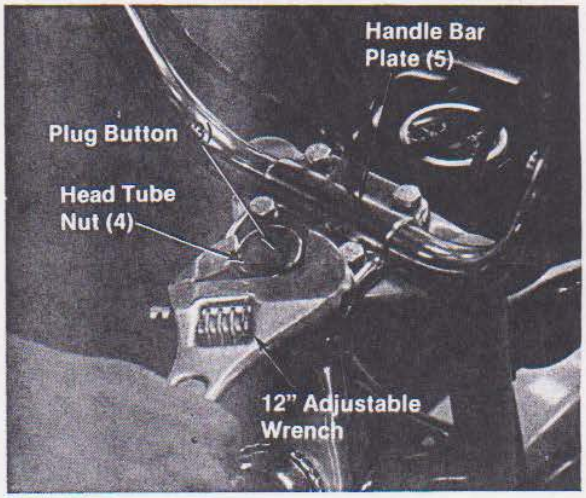


FIGURE 9.

REAR VIEW MIRROR ASSEMBLY

Position rear view mirror on handle bar. Secure clamp in desired position. See figure 10.

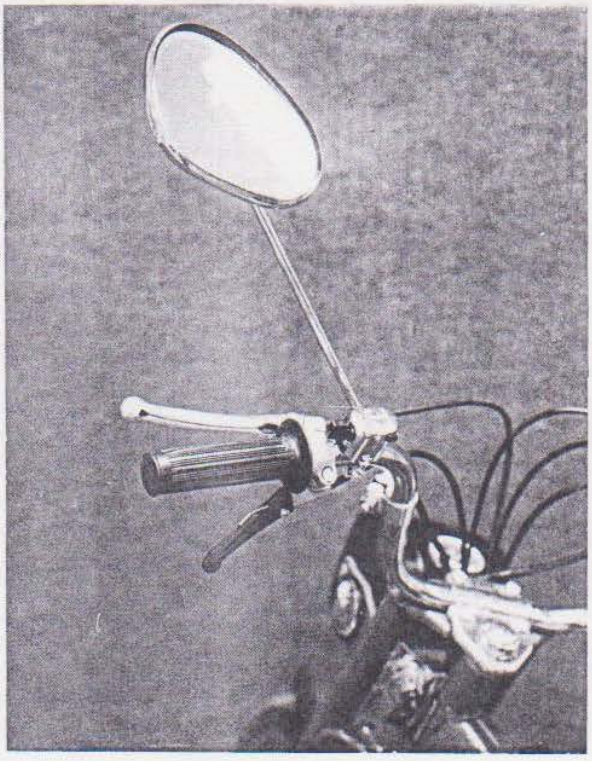


FIGURE 10.

SEAT ASSEMBLY

1. Place the seat post clamp on seat post.
2. Line up the two rear clamps on seat with holes in rear frame of MOPED.
3. Tighten the pillar clamp nut and bolt securely.
4. Tighten the rear seat clamp nuts and screws.

PEDAL ASSEMBLY

Assemble pedals to crank using an adjustable wrench. Tighten securely. See figure 11.

NOTE

Threaded ends of pedals are marked "R" and "L" for right and left hand sides. See figure 11. Right and left hand side is determined from the operator's position.

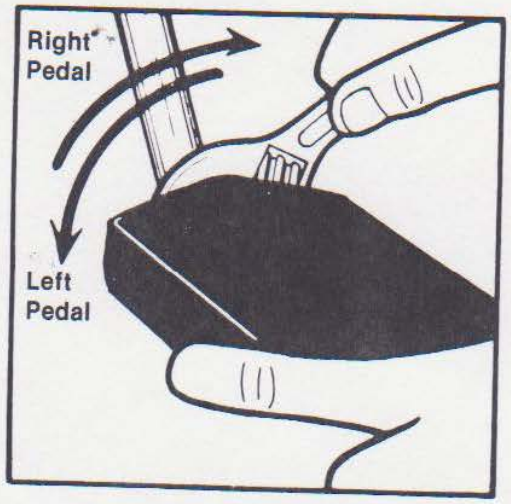


FIGURE 11.

PREPARE FOR OPERATION

1. Fuel mixture 50:1. Mix in a clean container 2½ ounces of SAE 30 or snowmobile oil or 2 cycle oil per gallon of regular gasoline. This mixture assures positive lubrication. Do not use 10W-30 type oils. See figure 12.

NOTE

Never fill fuel tank with engine running.

FIGURE 12.

FUEL TANK CAPACITY 2¾ QUARTS.

WARNING

Remove gas cap and open vent to fill. **You must close vent before starting.** See figure 13.

FIGURE 13.

FREE-WHEELING FEATURE

1. Your MOPED has a shut-off block located on the drive pulley, left hand side of bike.
2. You **must** engage the shut-off block in order to start your MOPED. See figure 14 and 15.
3. The drive pulley is marked (+) positive, which is the engaged position. See figure 14.

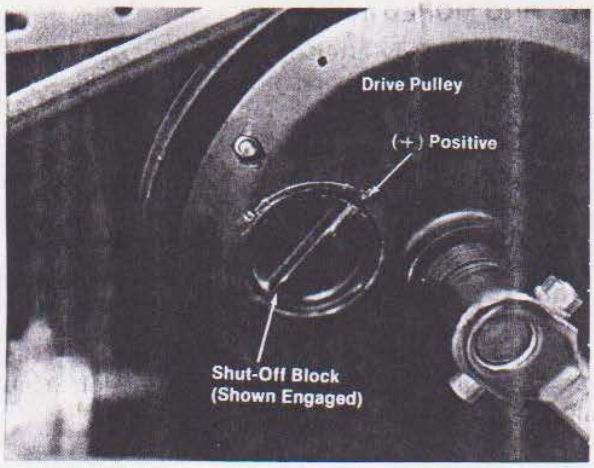


FIGURE 14.

4. The drive pulley is marked (0) negative, which is the disengaged position. See figure 15.

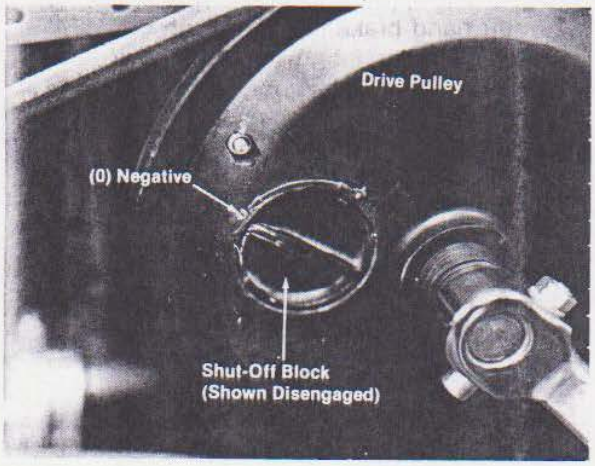


FIGURE 15.

5. The shut-off block **must** be in the engaged (+) position to start the engine.

6. The shut-off block positioned in the (0) allows you to free-wheel or pedal the bike with the engine off.

7. To change the shut-off block position simply turn to (0) or (+) by hand.

OPERATING

STARTING

1. Open fuel valve. See figures 16, 17 and 18.

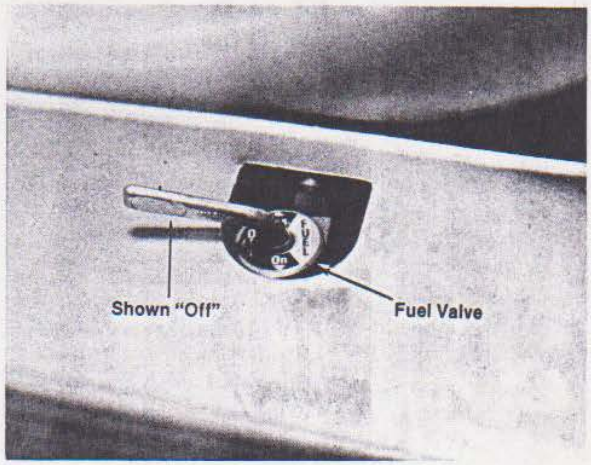


FIGURE 16.

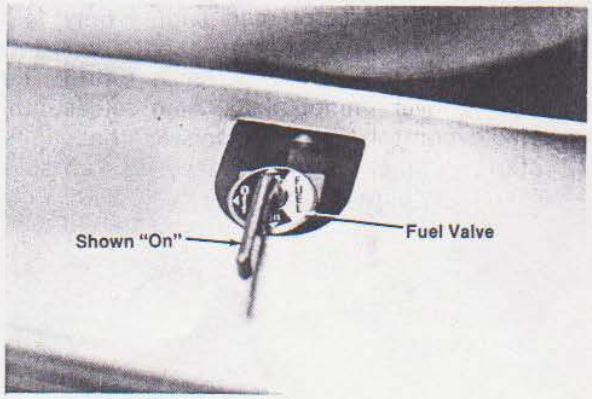


FIGURE 17.

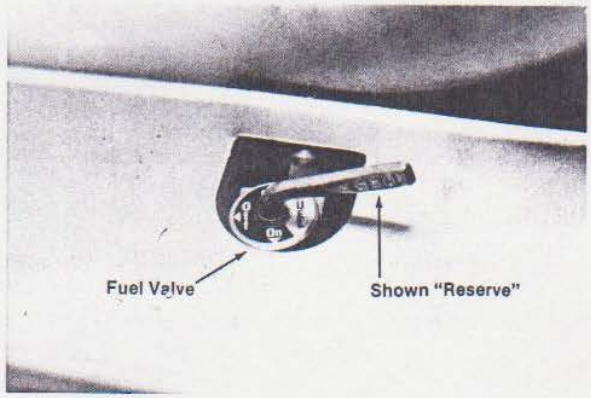


FIGURE 18.

2. Engage the shut-off block. See figures 14 and 15.
3. Turn the engine stop switch to RUN position. See figure 19. Engine stop switch is located on the right hand handle.

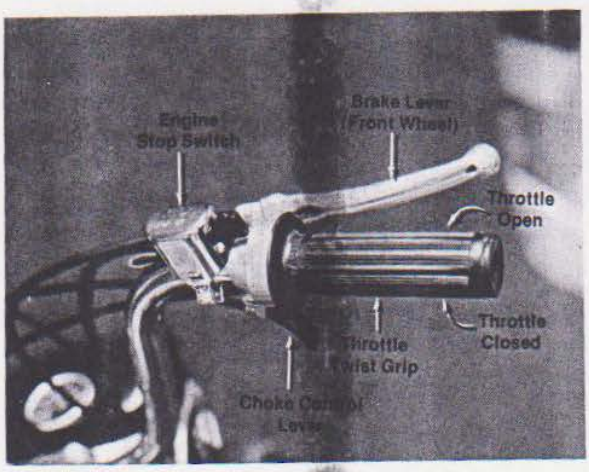


FIGURE 19.

4. Move off as on a bicycle, opening throttle twist grip at the same time. (See figure 19.) After moving fast enough, pull choke control lever (cold starts or cold engine only) and starter control lever toward handle bars until the engine starts to run, then release the starter lever immediately. Also release the choke control lever as soon as the engine starts, runs smoothly and receives sufficient fuel. See figures 19 and 20.

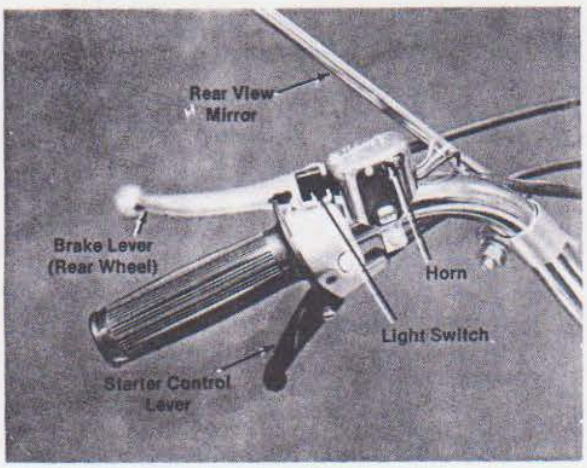


FIGURE 20.

If the engine choke control lever is pulled too long so that the engine will not start, shut fuel valve and try to start engine several times without applying the choke control. If necessary, remove, dry and reinstall the spark plug—then repeat starting procedure.

CAUTION

Avoid unnecessary acceleration of engine when not in motion, otherwise clutch will engage.

PUTTING MOPED IN MOTION

Accelerate slowly after the engine has begun to run. The torque converter engages as the revolution increases and the bike moves off. It is recommended to use the pedals for help when on inclines.

STOPPING THE BIKE

The MOPED is stopped by closing the throttle control and applying the hand brake levers located on the handle bars.The front wheel brake lever is located on the right hand side. See figure 19. The rear wheel brake lever is located on the left hand side. See figure 20.

CAUTION

Braking procedure—Use rear wheel brake for stopping by actuating the left hand brake lever. To assist in stopping, the right hand brake lever is to be applied AFTER actuating the left hand brake lever. If in an emergency stop situation the operator applies front brake only it can cause loss of control of the MOPED.

STOPPING THE ENGINE

Shut off engine with engine stop switch, located on right hand handle bar. See figure 19. Do not shut off engine by applying the starter control lever. **ALWAYS SHUT OFF FUEL VALVE**

OPERATION OF LIGHTS AND HORN

Push light switch which is located on the left handle bar in either direction to turn on head and tail lights. Middle position is the off position. See figure 20.

To operate horn, push the button on the side of the control switch located on the left handle bar. See figure 20.

MAINTENANCE

AIR CLEANER

1. Remove the left hand step plate, by removing two screws and two belleville washers. A 3/8" wrench is required.

2. Loosen (do not remove) band clamp at the carburetor with a flat screw driver. See figure 21.

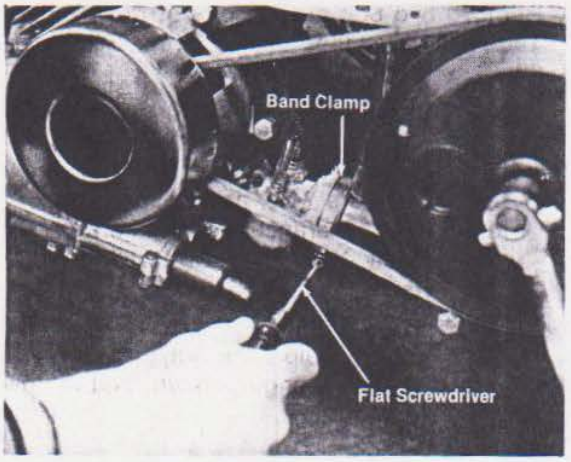


FIGURE 21.

3. Slip the air cleaner and band clamp off of the carburetor. Pull the fiber element out of housing and wash in gasoline, dry and lubricate with a 1/2 teaspoon of light oil. See figure 22.

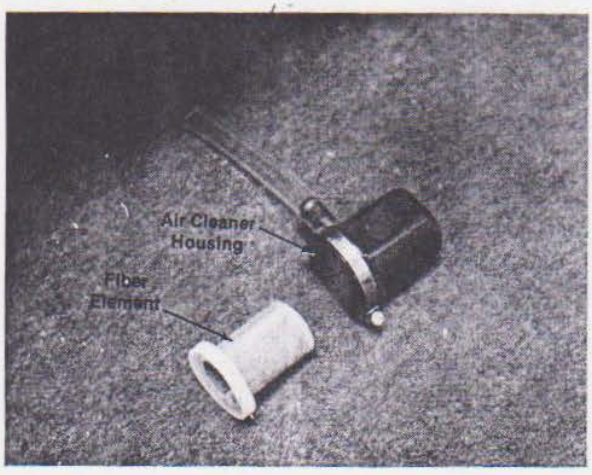


FIGURE 22.

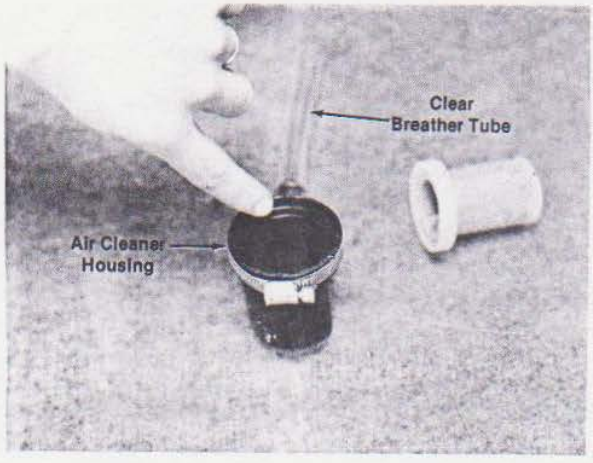


FIGURE 23.

4. Check the clear breather tube to be sure it is free of any dirt. Breather tube can be cleaned with air pressure. Blow dirt from housing thru housing, out of tube. See figure 23.
5. When reinstalling air cleaner be sure breather tube is pointed upward and clears the wiring.

NOTE

The air cleaner should be cleaned every 600 miles.

BELT REPLACEMENT

The belt is self-tensioning at all times. No belt adjustment is necessary.

1. Remove the left hand step plate from MOPED. Remove two screws and belleville washers. A 3/8" wrench is required.
2. Remove the muffler by removing two hex nuts at the muffler flange to cylinder head of engine. A 9mm socket wrench is required. Remove two allen head screws from bottom of muffler. See figure 24.

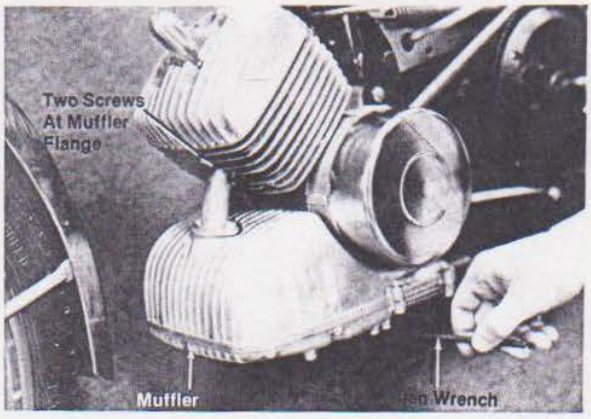


FIGURE 24.

3. Pop off the left hand engine side cover with a screw driver. See figure 25.

FIGURE 25.

4. Disconnect the starter cable from the starter lever, by pressing inward to release the tension on the cable. See figure 26.

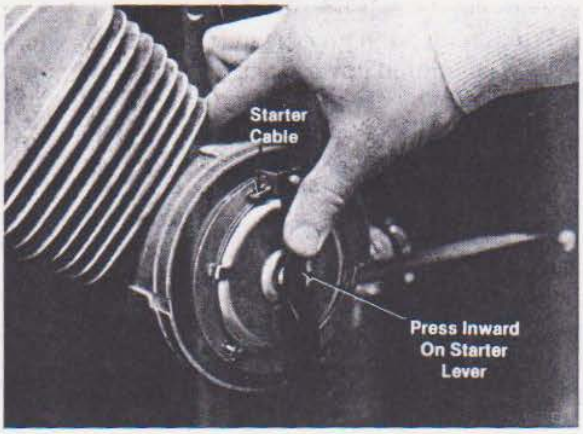


FIGURE 26.

5. Remove the starter lever by removing two hex head screws from bottom of engine. A 5/16" wrench is required. See figure 27.

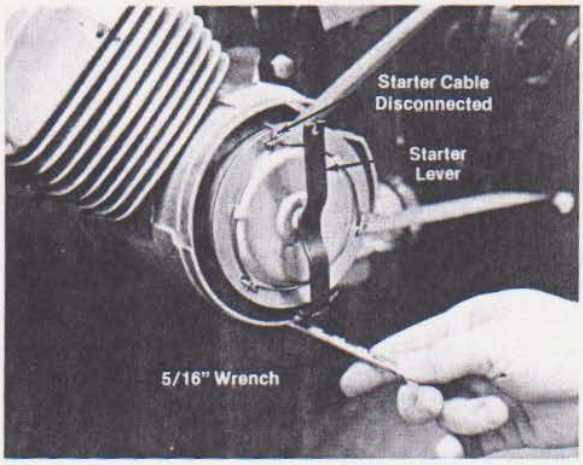


FIGURE 27.

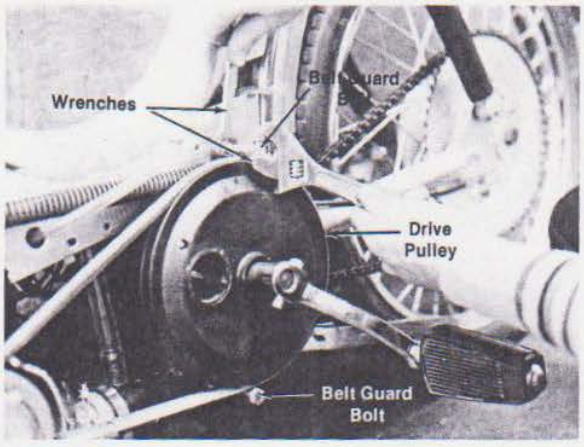


FIGURE 28.

6. Remove two belt guard bolts at drive pulley Two 1/2" wrenches are required. See figure 28.

NOTE

Upon reassembly of belt guard bolts, be sure you have approximately 1/8" clearance between bolts and the belt. You may have to bend the bolts up or down to make this adjustment.

7. Pull the starter cable back out of way. With one hand push the engine down, and remove the belt. See figure 29.

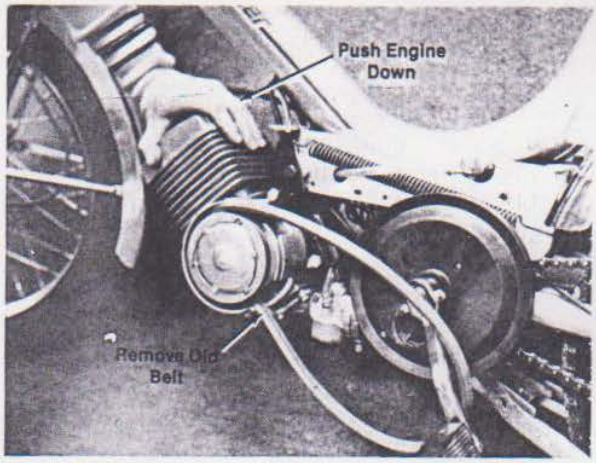


FIGURE 29.

8. Place new belt back on drive pulley and torque converter. Reverse the above steps for reassembly.

CAUTION

The extension springs on your MOPED are under pressure. Exercise caution if you remove them for any reason. See figure 30.

FIGURE 30.

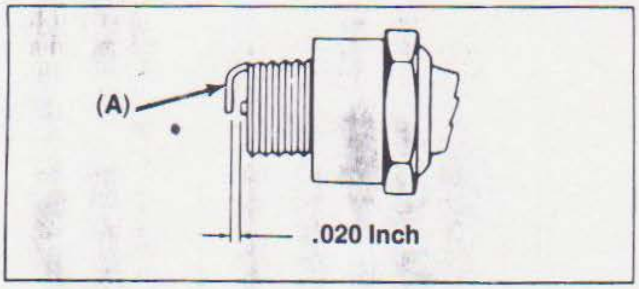


FIGURE 31.

SPARK PLUG

Electrode Gap

The electrode gap expands during operation from heat. This is why the electrode gap has to be adjusted to specification from time to time. This in turn is done by bending ground electrode (A). The specific gap is .020 inch. See figure 31.

CLEANING

The spark plug should be cleaned every 600 miles. Use a piece of sandpaper or emery board to clean the ground electrode and between the electrodes. Blow out any dust or sand. Replace spark plug after resetting the gap to .020 inch.

CHECKING FUNCTION

Unscrew spark plug, install plug connector, place plug threads against ground (cylinder head) and operate starter. If plug is in perfect condition, there must be strong sparking between the electrodes. Only touch the insulated part of the plug connector to avoid a "shock" although it is completely harmless. See figure 32.

FIGURE 32.

ADJUSTMENTS

ENGINE COOLANT

Engine heat is dissipated by an amount of coolant sealed in the cylinder block. Mixture is 1/3 anti-freeze to 2/3 water and gives protection to about -13 degrees Fahrenheit.

Coolant should never need checking or changing. However, if leaks are noticed, have a qualified person determine the cause and replace any parts or coolant necessary. A fill plug is located on the top of the cylinder head.

CHAIN ADJUSTMENT

Your MOPED is equipped with two chains, the drive chain and pedal chain.

Drive Chain—Is located on the left hand side of MOPED. The drive chain should have 1/2" deflection. See figure 33. Lubricate at least every 100 miles with a light oil for maximum chain life. Replace with chain shown in parts list of this manual only. This is a special chain size.

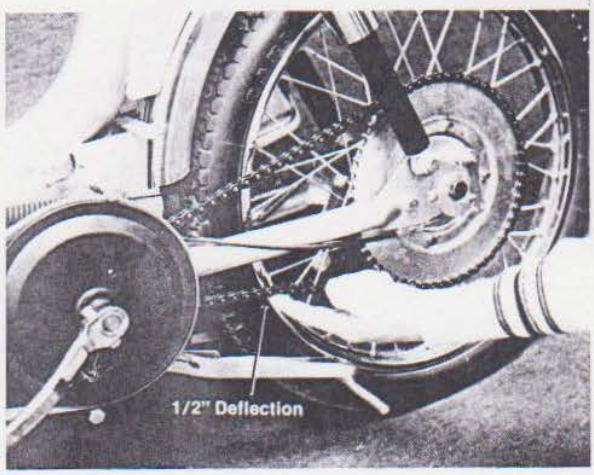


FIGURE 33.

The MOPED must rest on the kick stand with the left hand step plate removed. See figure 34. Loosen rear axle nuts slightly. Make sure that both chain adjusters are adjusted the same rate. The rear wheel must always be parallel to the frame and front wheel. Be sure to retighten the axle nuts securely.

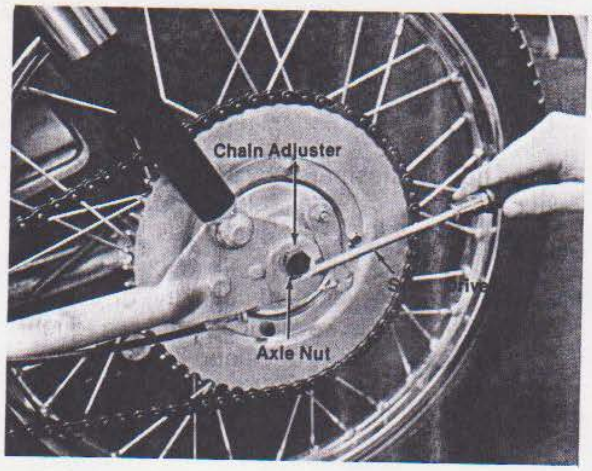


FIGURE 34.

Pedal Chain—Is located on the right hand side of MOPED. The pedal chain has an automatic chain adjuster (idler). No adjustment is required.

NOTE

Both the drive chain and pedal chain are equipped with master link for easy removal and maintenance.

REMOVING AND INSTALLING FRONT WHEEL

1. Place bike on kick stand.
2. Remove the axle and nut from the front wheel. Lift the speedometer out of the way if your MOPED is so equipped. Lift the brake hub out of the way and remove the front wheel.
3. Upon reassembly of front wheel, place the speedometer arm in one of the two holes on left hand side of front wheel. See figure 35.

FIGURE 35.

4. Place the brake and hub back in the right hand side of wheel. Next, place the spacer on axle. See figure 36.

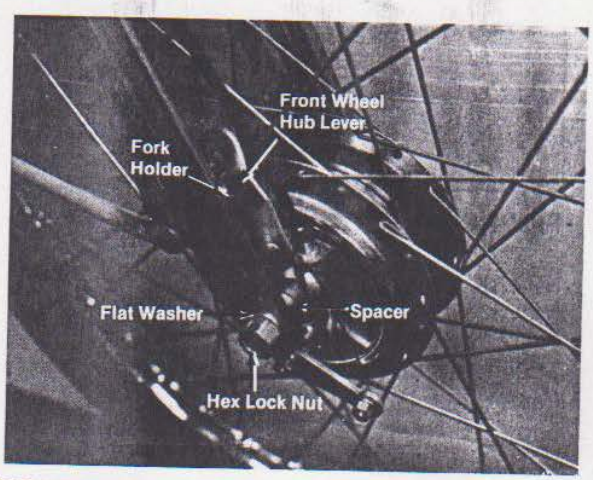


FIGURE 36.

CAUTION

Be sure to replace spacers and washers in proper positions.

5. Make sure that the fork holder on the right hand side engages in the slot of front wheel hub lever. Place flat washer next to fork and secure the axle with hex locknut. See figure 36.

REMOVING AND INSTALLING REAR WHEEL

1. Place bike on kick stand.
2. Remove black bolt at rear wheel hub lever. See figure 37.
3. Remove the hex locknut, axle bolts and chain adjusters. See figure 37.
4. Remove the chain and brake hub. See figure 37.

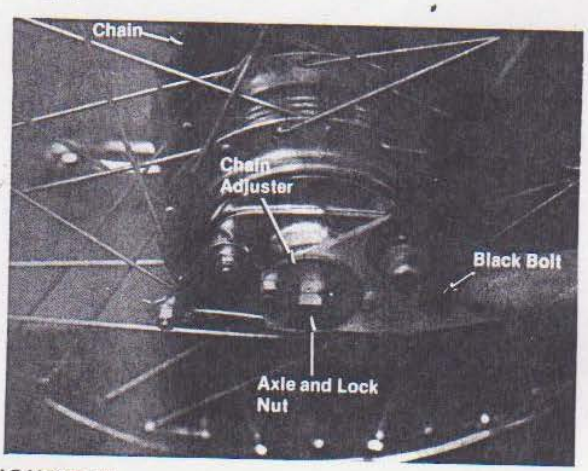


FIGURE 37.

5. Upon reassembly of rear wheel place the spacers between the wheel and fork.
6. Replace the chain, brake hub, axle bolt, hex locknut, chain adjusters and tighten by hand. Be sure slot in rear wheel hub lines up with hole in frame and replace the black bolt. See figure 37.

NOTE

Be sure to insert axle bolt from left side of bike.

7. To readjust the chain, see chain adjustment on page 13 of this manual.

SPEEDOMETER (OPTIONAL)

The speedometer drive on the left front wheel hub has a lubrication nipple. Always lubricate here every 600 to 900 miles. See figure 38.

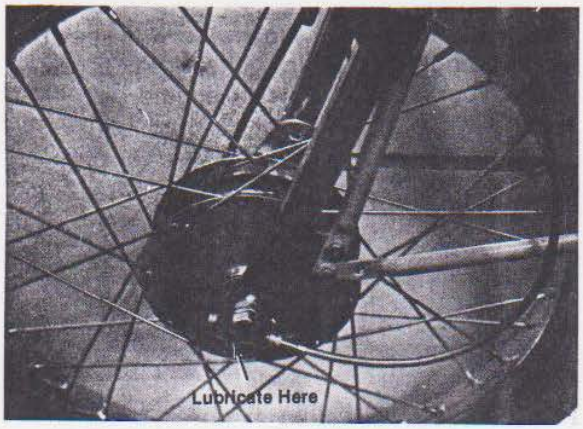


FIGURE 38.

CLEANING FUEL VALVE

It is recommended to remove and clean the fuel valve thoroughly once each year. Clean with gasoline by moving the lever through all of its positions. Cleanliness is especially important for filter screen. Flushing with clean gasoline is just as important as blowing through with the air pump.

Don't forget to insert the fuel tank connection seals correctly when reinstalling.

HEADLIGHT AND TAIL LIGHT

The headlight is always at low; it has a 6V-18W sealed beam which is replaceable.

The tail light has a 6V-5W bulb and the brake light has a 6V-10W bulb, which can be replaced by removing two screws and tail light lens. See figure 39.

FIGURE 39.

SPOKE ADJUSTMENT

1. The tightness of spokes should be made every few hours of operation.
2. To check for correct spoke tension, wiggle each spoke gently. If the spoke nipple at the rim is able to move, the spoke is too loose.
3. Another way to check spoke tension is by gently tapping a metal object, such as a screwdriver, against each spoke. If the spokes are equally tightened, they will produce the same sound or pitch.
4. To tighten a spoke use a spoke wrench or an adjustable wrench.

BRAKE ADJUSTMENT

1. A 10 mm wrench is required.
2. Loosen jam nut on brake cable and turn the barrel nut on brake cable counterclockwise for more adjustment and clockwise for less adjustment. See figures 40 and 41.

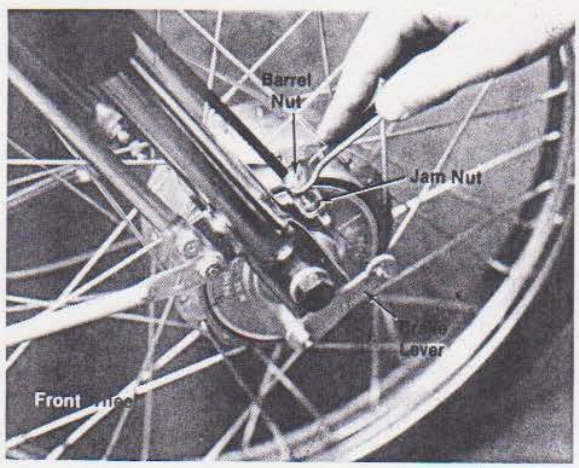


FIGURE 40.

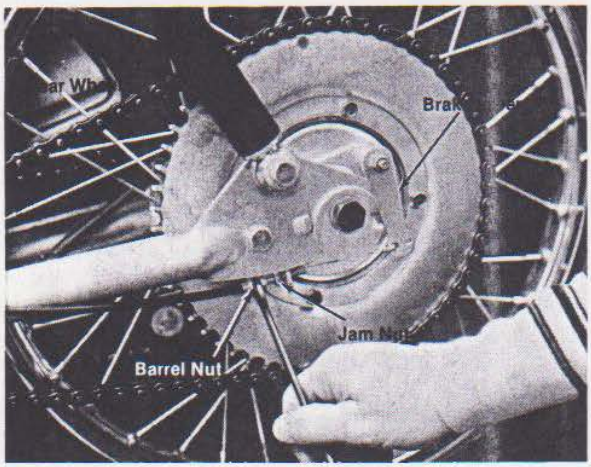


FIGURE 41.

3. **Brake Wear Limit**

   When brake lever on wheels reach the wear limit mark, remove the lever and turn over for more adjustment. Then when the wear limit is reached again, brake shoes must be replaced. See figures 40 and 41.

CARBURETOR ADJUSTMENT

1. The idle screw is preset at the factory.
2. If adjustment becomes necessary use the following steps.
3. The idle screw is located on the right hand side of carburetor. See figure 42.

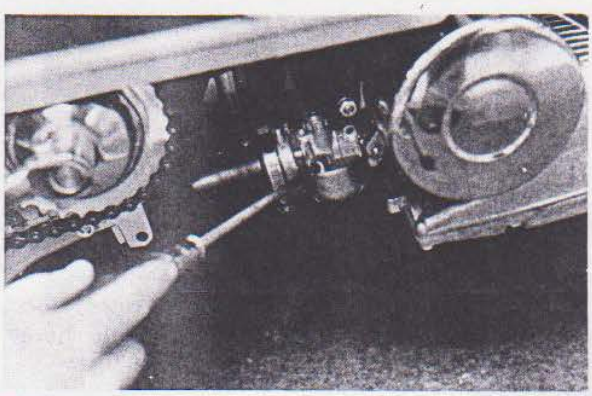
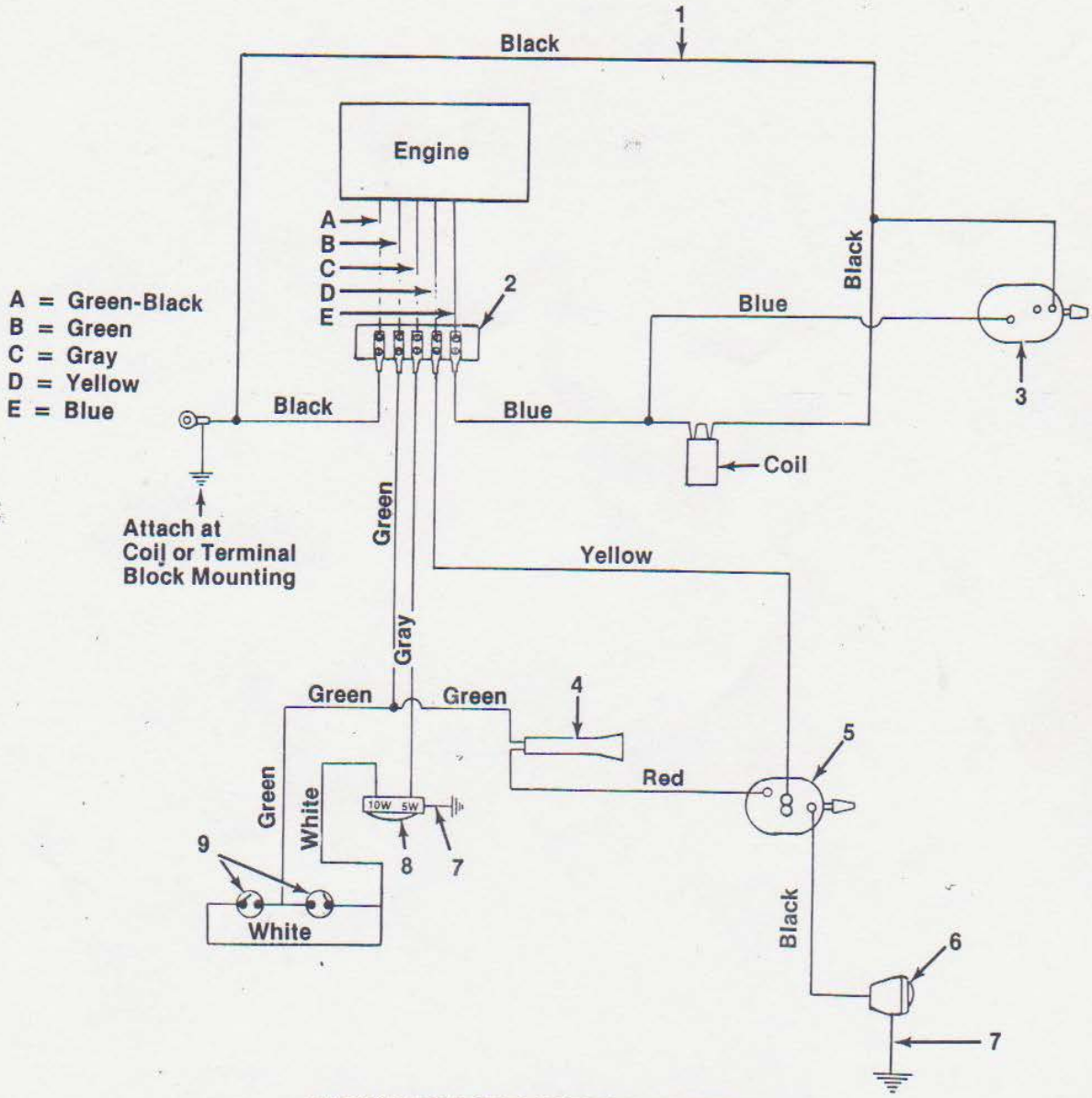


FIGURE 42.

4. Turning the idle screw clockwise will speed up the engine. Turning the idle screw counterclockwise will slow the engine.



PARTS LIST FOR ELECTRICAL SYSTEM

REF. NO.	PART NO.	DESCRIPTION
1	725-0637	Wire Harness—Comp.
2	725-0598	Terminal Block Ass'y.
3	725-0599	Kill Button Switch
4	725-0539	Horn
5	725-0600	Accessory Switch
6	725-0592	Headlamp Ass'y. for Speedometer (Optional)
	725-0591	Headlamp Ass'y. w/o Speedometer (Optional)
7	725-0541	Electric Wire (2 Req'd.)
8	725-0533	Taillamp Ass'y.
9	725-0538	Brake Light Switch (2 Req'd.)

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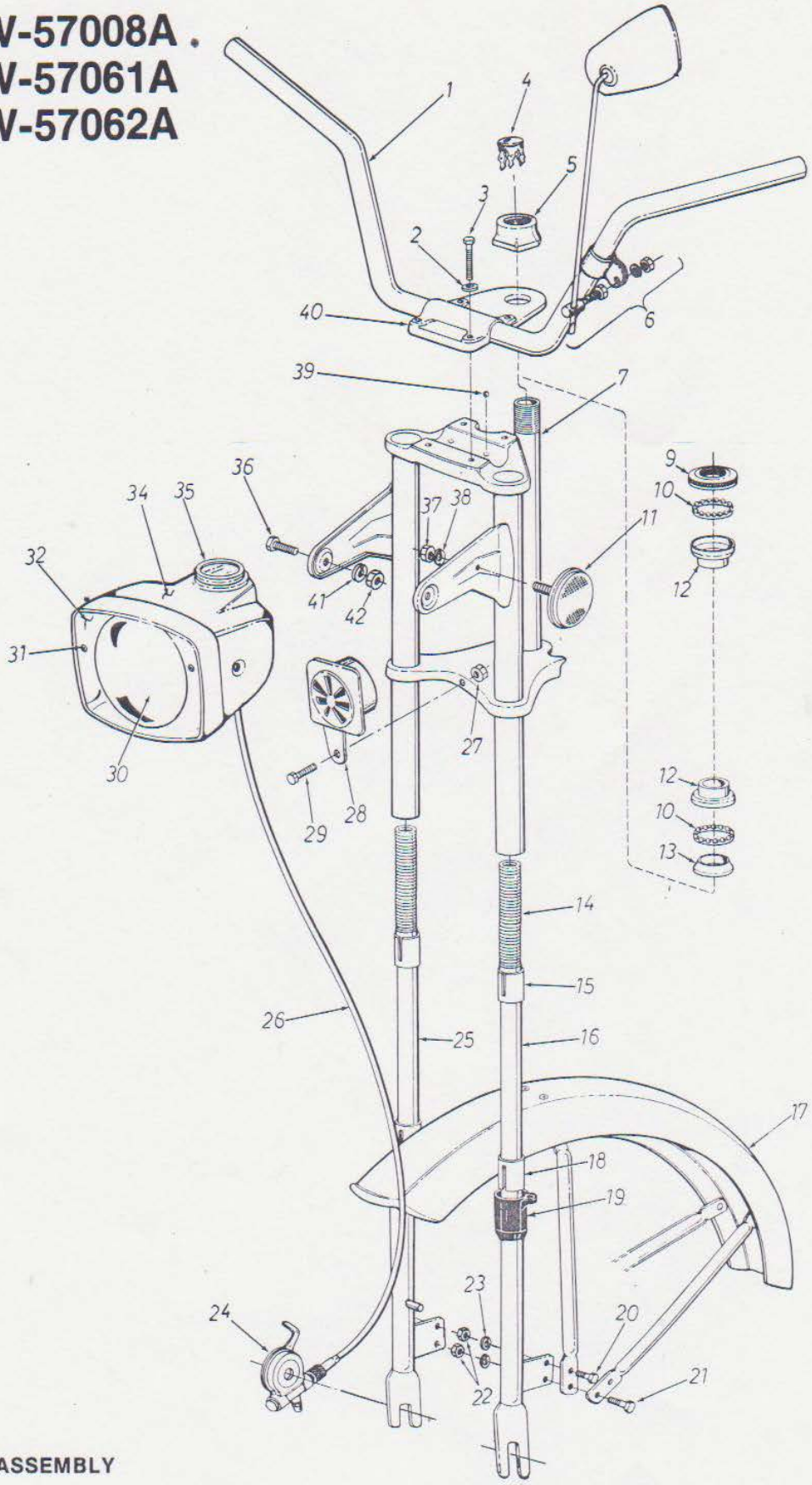
ZDW-57061A
ZDW-57062A



FORK ASSEMBLY

PARTS LIST FOR FRONT FORK ASSEMBLY COMPLETE #06894

REF. NO.	PART NO.	DESCRIPTION
1	06895	Handle Bar
2	736-0329	L-Wash. 1/4" Scr.*
3	710-0747	Hex Scr. 1/4-28 x 1.25" Lg.
4	726-0186	Plug Button .81" I.D.
5	712-0304	Fork Lock Nut 1.0-24 N.S.I.
6	745-0167	Rear View Mirror
7	06891	Telescope Fork Ass'y.
9	741-0285	Cone—Adj. Fork
10	741-0287	Fork Bearing
11	730-0114	Side Reflector 2.0" Dia. Amber
12	741-0284	Ball Fork Cup_____
13	741-0283	Cone—Lower
14	732-0340	Compression Spring
15	731-0400	Bushing Nylon
16	06827	Fork Extension—L.H.
17	06838	Front Fender Ass'y.
18	731-0400	Bushing Nylon
19	731-0401	Rubber Boot
20	710-0289	Hex Scr. 1/4-20 x .50" Lg.*
21	710-0258	Hex Scr. 1/4-20 x .62" Lg.*
22	712-0107	Hex Cent. L-Nut 1/4-20 Thd.
23	736-0329	L-Wash. 1/4" Scr.*
24	745-0171	Speedometer Gear Box (Optional)
25	06828	Fork Extension—R.H.
26	745-0170	Speedometer Cable 650mm (Optional)
27	712-0107	Hex Cent. L-Nut 1/4-20 Thd.
28	725-0539	Horn 6V-18W
29	710-0289	Hex Scr. 1/4-20 x .50" Lg.*
30	725-0590	Sealed Beam 6V-18W
31	710-0725	Truss Mach. AB Tap Scr. #8 x 1.00" Lg.*
32	731-0426	Headlight Bezel Chrome
34	731-0424	Headlight Housing for Speedometer
	731-0468	Headlight Housing w/o Speedometer
35	745-0169	Speedometer (Optional)
36	710-0258	Hex Scr. 1/4-20 x .62" Lg.*
37	—	Supplied with Ref. No. 11
38	—	Supplied with Ref. No. 11
39	741-0219	Steel Ball .125" Dia.
40	06858	Handle Bar Plate
41	736-0329	L-Wash. 1/4" Scr.*
42	712-0107	Hex Cent. L-Nut 1/4-20 Thd.

*Common Hardware may be purchased locally.

Important: **Do not** order by Reference Number (Ref. No.).

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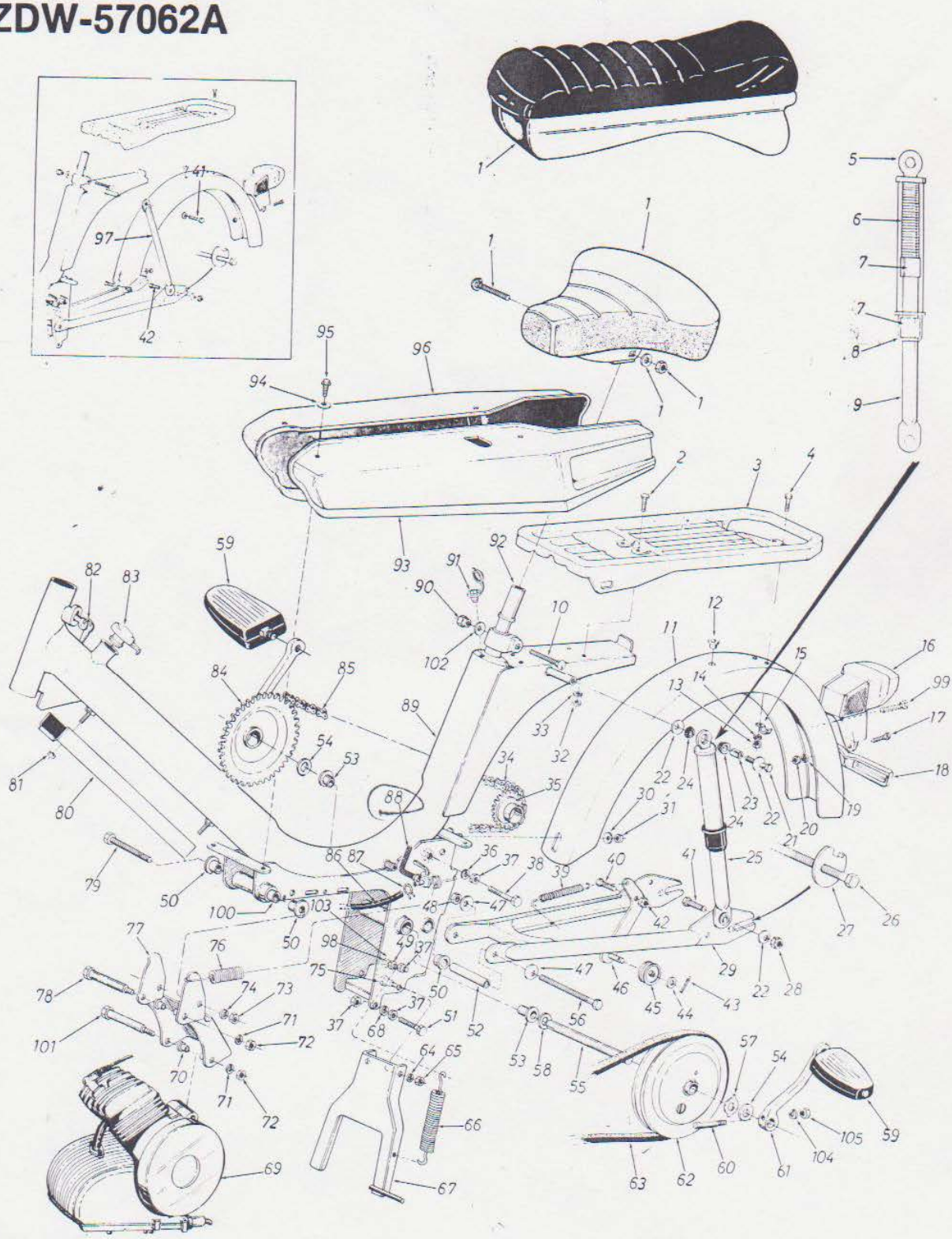

MAIN FRAME

PARTS LIST FOR MAIN FRAME

REF. NO.	PART NO.	DESCRIPTION
1	757-0293	Seat Ass'y.—Black
	757-0294	Seat Ass'y.—Burgundy
	757-0287	Bench Seat Ass'y.
2	710-0289	Hex Scr. 1/4-20 x .50" Lg.*
3	06840	Carrier
4	710-0289	Hex Scr. 1/4-20 x .50" Lg.*
5	06910	Shock Absorber Cover Ass'y.
6	732-0368	Compression Spring .88" O.D. x 5.65" Lg.
7	731-0400	Telescopic Bushing 1.10" O.D.
8	731-0474	Telescope Boot
9	06922	Telescope Tube
10	710-0403	Binder Bolt 5/16-24 x 1.75" Lg. Spec.
11	06843	Rear Fender
12	731-0307	Snap Bushing
13	712-0107	Hex Cent. L-Nut 1/4-20 Thd.
14	736-0175	L-Wash. .270" I.D. x .51" O.D. x .030
15	12894	Cable Clip
16	725-0533	Taillight
17	710-0207	Hex Mach. Tapp Scr. 1/4-20 x 1.00" Lg.*
18	745-0176	License Plate Bracket
19	736-0175	L-Wash. .270" I.D. x .51" O.D. x .030
20	712-0107	Hex Cent. L-Nut 1/4-20 Thd.
21	710-0672	Hex Scr. 3/8-24 x 1.25" Lg.
22	736-0105	Bell.-Wash. .400 I.D. x .88 O.D. x .060
23	750-0445	Split Tubing Spacer .395 x .50 x .50
24	731-0475	Grommet
25	745-0175	Shock Absorber Ass'y.
26	710-2205	Hex Scr. M12 x 1.5 x 170
27	06847	Chain Adjuster
28	712-0296	Hex Cent. L-Nut 3/8-24 Thd.
29	06831	Rear Fork Ass'y.
30	736-0175	L-Wash. .270" I.D. x .51" O.D. x .030
31	712-0107	Hex Cent. L-Nut 1/4-20 Thd.
32	712-0107	Hex Cent. L-Nut 1/4-20 Thd.
33	736-0175	L-Wash. .270" I.D. x .51" O.D. x .030
34	713-0122	#48 Master Link 1/2" Pitch Type II
35	713-0247	Freewheel—Sprocket 18 Teeth
36	736-0119	L-Wash. 5/16" Scr.*
37	712-0267	Hex Nut 5/16-18 Thd.*
38	710-0378	Hex Scr. 5/16-18 x 2.50" Lg.*
39	732-0157	Extension Spring .50 O.D. x 3.25" Lg.
40	710-0180	Hex Scr. 3/8-24 x .75" Lg.*
41	710-0117	Hex Scr. 3/8-24 x 1.00" Lg.
42	712-0306	Hex Top L-Jam Nut 3/8-24 Thd.
43	714-0507	Cotter Pin 3/32 x .75" Lg.
44	736-0185	Fl-Wash. .406" I.D. x .74" O.D. x .063
45	756-0194	Idler Pulley 1.50 O.D. x .378 I.D.
46	06896	Chain Idler Brkt. Ass'y.
47	736-0105	Bell.-Wash. .400 I.D. x .88 O.D. x .060
48	712-0296	Hex L-Nut 3/8-24 Thd.
49	712-0158	Hex Cent. L-Nut 5/16-18 Thd.
50	741-0249	Flange Brg. .630" O.D.—Plastic
51	710-0378	Hex Scr. 5/16-18 x 2.50" Lg.*
52	750-0347	Rear Fork Spacer .62" O.D. x .38 I.D. x 2.8
53	741-0249	Flange Brg. .630" O.D.—Plastic
54	736-0187	Fl-Wash. .640" I.D. x 1.25" O.D. x .060 Hdn.
55	738-0419	Pedal Shaft
56	710-0758	Socket Hd. 3/8-24 x 4.00" Lg.*
57	736-0309	Fl-Wash. .71" I.D. x 1.17" O.D. x .036 Spec.
58	736-0290	Fl-Wash. .640" I.D. x 1.00" O.D. x .067 Hdn.
59	724-0156	Pedal (Set of Two) R.H. and L.H.
60	751-0214	Pedal Crank Cotter
61	751-0237	Pedal Crank—L.H.
62	717-0389	7.5" Dia. Pulley with 11 Tooth Sprocket
63	754-0235	V-Belt 1/2" x 35" Lg.
64	736-0119	L-Wash. 5/16" Scr.*
65	712-0267	Hex Nut 5/16-18 Thd.*
66	732-0433	Extension Spring .50" O.D. x 2.75" Lg.
67	06835	Kickstand Ass'y.
68	736-0119	L-Wash. 5/16" Scr.*
69	752-0691	Solo Engine
70	751-0251	Rubber Engine Bushing
71	736-0329	L-Wash. 1/4" Scr.*
72	712-0107	Hex Cent. L-Nut 1/4-20 Thd.
73	712-0296	Hex Cent. L-Nut 3/8-24 Thd.
74	736-0105	Bell-Wash. 3/8" I.D.
75	738-0141	Shld. Scr. .437" Dia. x .350
76	732-0362	Extension Spring .75" O.D. x 8.00" Lg.
77	06878	Engine Brkt.
78	738-0420	Shld. Scr. .312" Dia. x 4.03" Lg.
79	710-0620	Hex Scr. 3/8-24 x 4.50" Lg.*
80	06861	Cable Cover
81	712-0107	Hex Cent. L-Nut 1/4-20 Thd.
82	745-0165	Steering Lock with Keys (Optional)
83	745-0174	Gas Cap Ass'y.
84	751-0249	Pedal Crank w/Sprocket 30 Teeth
85	713-0241	#48 Chain 1/2" Pitch x 87 Link
86	751-0115	Gas Line .18" I.D. x .31" O.D. x 13
87	723-0348	Hose Clamp
88	751-0248	Gas Valve M12 x 1
89	06863	Frame Ass'y.
	06862	Frame Ass'y. w/o Shocks or Fork Lock
	06906	Frame Ass'y. w/o Fork Lock
90	712-0213	Binder Nut 5/16-24 Thd.

PARTS LIST FOR MAIN FRAME

REF. NO.	PART NO.	DESCRIPTION
91	751-0252	Tank Vent Block
92	30102	Seat Post .81 Dia.
93	06877	Step Plate—L.H.
94	736-0270	Bell.-Wash. .265" I.D. x .750" O.D. x .062
95	710-0653	Hex Wash. SF-Tap Scr. 1/4-20 x .38" Lg.
96	06876	Step Plate—R.H.
97	749-0310	Swing Arm Brace (Optional)
98	710-0376	Hex Scr. 5/16-18 x 1.00" Lg.*
99	710-0597	Hex Scr. 1/4-20 x 1.00" Lg.* (Inside Taillight)
100	750-0348	Spacer .62" O.D. x .38" I.D. x 3.84" Lg.
101	738-0421	Shld. Scr. .312" Dia. x 2.45" Lg.
102	736-0264	Bell-Wash. .330" I.D. x .630" O.D.
103	736-0119	L-Wash. 5/16" Scr.*
104	736-0175	L-Wash. .270" I.D. x .51" I.D.
105	712-0107	Hex Cent. L-Nut 1/4" Thd.

*Common Hardware may be purchased locally.

Important: **Do not** order by Reference Number (Ref. No.).

Sep. pg 10 - PUTTING MOPED IN MOTION Torque converter engages as the revolution increases

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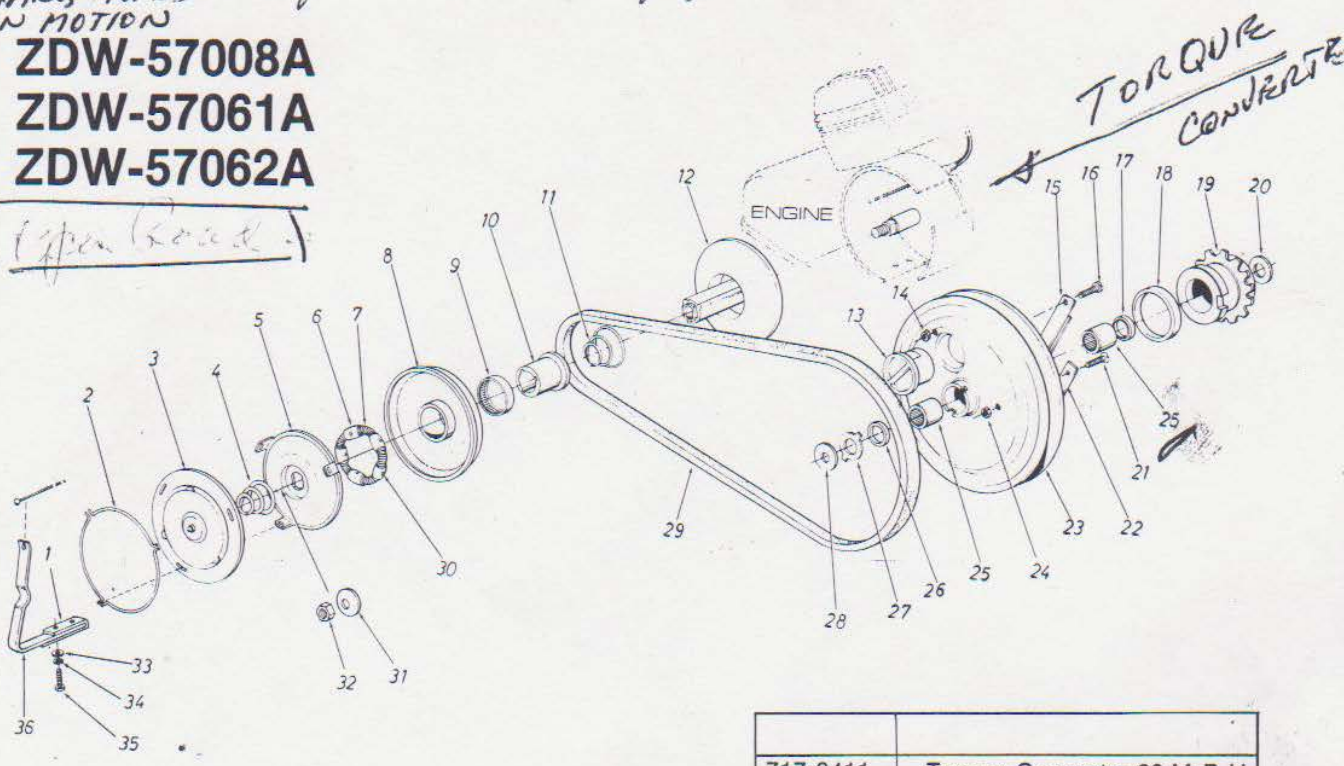
ZDW-57062A

Upper Knee



717-0411	Torque Converter 20 M.P.H.
717-0410	Torque Converter 25 M.P.H.
717-0409	Torque Converter 30 M.P.H.

PARTS LIST FOR TORQUE CONVERTER

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	712-0302	"U"-Nut M5	19	713-0248	Sprocket Hub 11-Teeth x .50" Pitch
2	732-0367	Spring Wire Clip	20	736-0290	Fl-Wash. .640 I.D. x 1.00" O.D. x .067 Hdn.
3	06879	Clutch Dis Ass'y.	21	710-2203	Oval Counter Sunk Scr. M4 x 20
4	732-0349	Compression Spring 1.18 O.D. x .90 I.D. x .83	22	732-0364	Spring Plate
5	06881	Spring Plate	23	756-0321	7.5" Dia. Pulley
6	748-0265	Torque Converter-Weight	24	712-2203	Hex Ins. L-Nut M4
7	732-0348	Extension Spring .34" O.D. x Lg.	25	741-0282	Needle Brg. 16 I.D. x 22 O.D. x 14
8	06885	Pulley—Hub Ass'y.	26	SL-0054219	Seal
9	741-0224	Needle Brg. 1.125" I.D. x 1.38" O.D. x .37	27	736-0309	Fl-Wash. .71" I.D. x 1.17" O.D. x .036 Spec.
10	748-0268	Flange Bushing (For 20-m.p.h.)	28	736-0187	Fl-Wash. .640" I.D. x 1.00" O.D. x .06 Hdn.
	748-0267	Flange Bushing (For 25-m.p.h.)	29	754-0235	"V"-Belt 1/2" x 35" Lg.
	748-0266	Flange Bushing (For 30 m.p.h.)	30	715-0142	Spring Pin Roll 1/8" Dia. x .50" Lg.
11	732-0350	Telescope Spring 1.38" O.D. x .94 I.D. x 1.00" Lg.	31	736-0308	Bell.-Wash. .430" I.D. x .90" O.D. x .030
12	748-0262	Pulley Half Ass'y.	32	712-2200	Hex Jam Nut M10 x 1
13	731-0472	Shut-off Block	33	736-0931	Fl-Wash. .203 I.D. x .41 O.D. x .040
14	712-2203	Hex Ins. L-Nut M4	34	736-0722	L-Wash. #10
15	732-0365	Leaf Spring Ass'y.	35	710-2200	Hex Scr. M5 x 18
16	710-2202	Hex Scr. M4 x 12	36	751-0250	Clutch Spring Lever
17	SL-0054219	Seal			
18	735-0194	Rubber Sleeve			

DAVE BOND, Mechanic

Repair Service - Frame a/c - 286-9691 -

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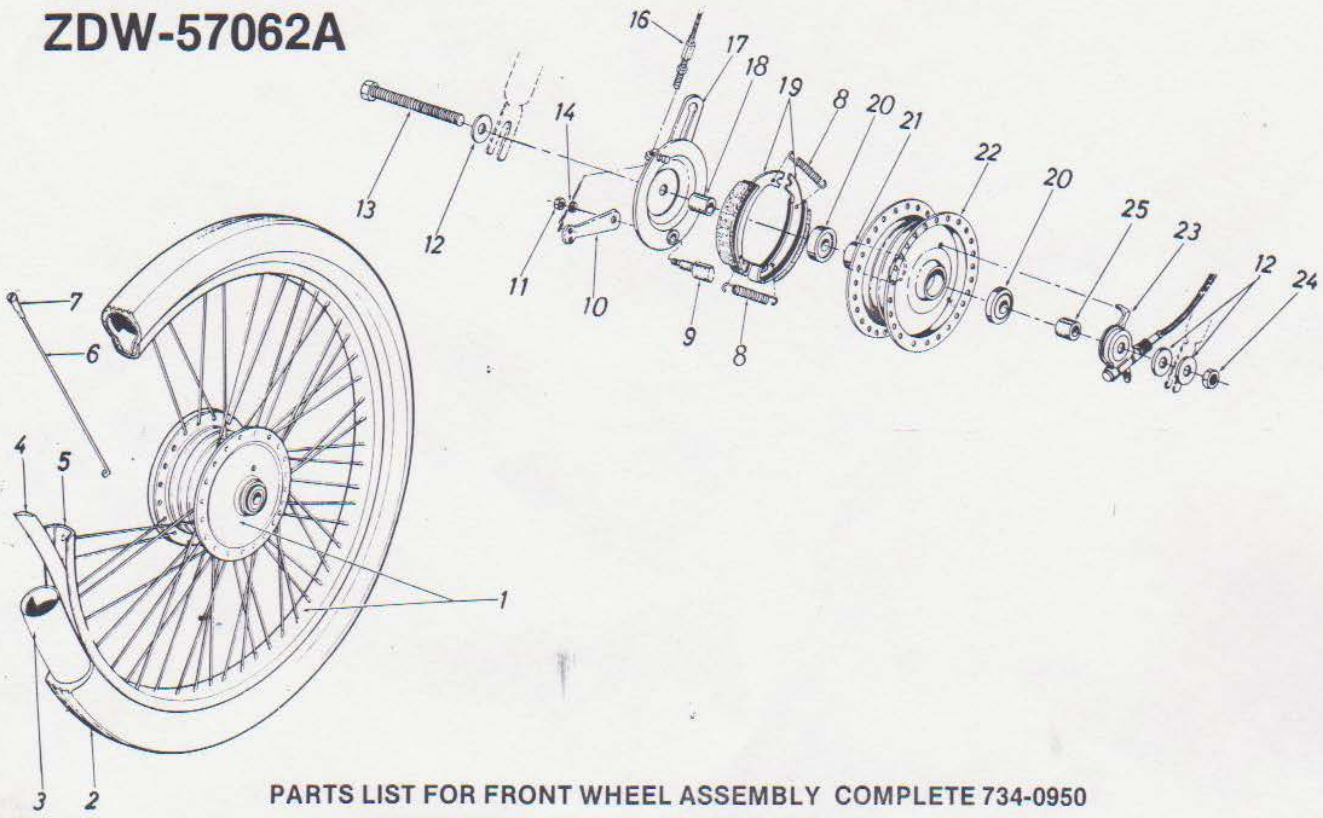
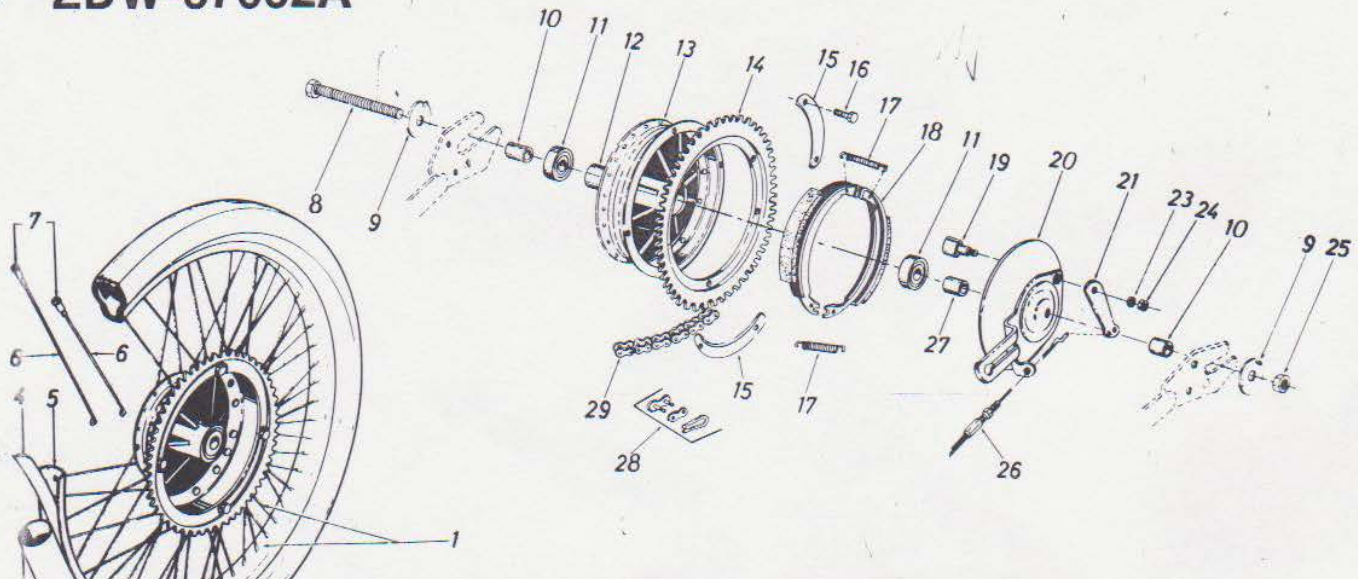
ZDW-57061A
ZDW-57062A



PARTS LIST FOR FRONT WHEEL ASSEMBLY COMPLETE 734-0950

REF. NO.	PART NO.	DESCRIPTION
1	734-0952	Front Wheel Ass'y. Less Tire and Tube
2	734-0774	Tire Only 21.0 x 2.25
3	734-0775	Inner Tube Only 21.0 x 2.25
4	734-0776	Rim Band
5	734-0955	Rim Only 1.35 x 17
6	755-0220	Spoke 105 Dia. x 7.28" Lg.
7	755-0183	Spoke Nipple
8	732-0361	Extension Spring
9	711-0692	Brake Cam
10	06917	Brake Lever
11	712-2003	Hex Nut M6
12	736-0192	Fl-Wash. .531 I.D. x .93 O.D. x .090
13	710-2204	Hex Scr. M12 x 1.5 x 150
14	736-0329	L-Wash. 1/4" Scr.
16	746-0344	Brake Cable 38:9" Lg.
17	06912	Brake Arm Ass'y.—Front
18	750-0436	Spacer .480 I.D. x .81 O.D. x .626 Lg.
19	761-0173	Brake Shoe Comp. 105mm
20	741-0290	Ball Bearing 12 I.D. x 28 O.D. x 8
21	750-0429	Spacer .505 I.D. x .63 O.D. x 2.385 Lg.
22	734-0958	105mm Front Cast Hub Ass'y.
23	745-0171	Speedometer Gear Box (Optional)
24	712-2204	Hex Jam Ins. L-Nut
25	750-0277	Spacer

ZDW-57008A
ZDW-57061A
ZDW-57062A



PARTS LIST FOR REAR WHEEL ASSEMBLY COMPLETE 734-0951

REF. NO.	PART NO.	DESCRIPTION
1	734-0953	Rear Wheel Ass'y. Less Tire and Tube
2	734-0774	Tire Only 21.0 x 2.25
3	734-0775	Inner Tube 21.0 x 2.25
4	734-0776	Rim Band
5	734-0955	Rim Only 1.35 x 17
6	755-0220	Spoke 105 Dia. x 7.28" Lg.
7	755-0183	Spoke Nipple 105 Dia.
8	710-2205	Hex Scr. M12 x 1.5 x 170
9	06847	Chain Adjuster
10	750-0277	Spacer .510 I.D. x .68 O.D. x .44" Lg.
11	741-0290	Ball Bearing 12 I.D. x 28 O.D. x 8
12	750-0430	Spacer .505 I.D. x .63 O.D. x 3.173" Lg.
13	734-0959	105 Dia. Rear Cast Hub Ass'y.
14	713-0246	Sprocket 57 Teeth .50 Pitch
15	06921	Screw Lock Strip
16	710-2201	Hex Self-Tap Scr. M6 x 20
17	732-0361	Extension Spring
18	761-0173	Brake Shoe Comp. 105mm
19	711-0692	Brake Cam
20	06913	Brake Arm Ass'y.—Rear
21	06917	Brake Lever
23	736-0329	L-Wash. 1/4" Scr.
24	712-2003	Hex Nut M6
25	712-2204	Hex Jam Ins. L-Nut
26	746-0345	Brake Cable 64.8" Lg.
27	750-0436	Spacer .480 I.D. x .81 O.D. x .626" Lg.
28	713-0252	#415 S Master Link
29	713-0242	#415 S Chain .50 Pitch 97 Links

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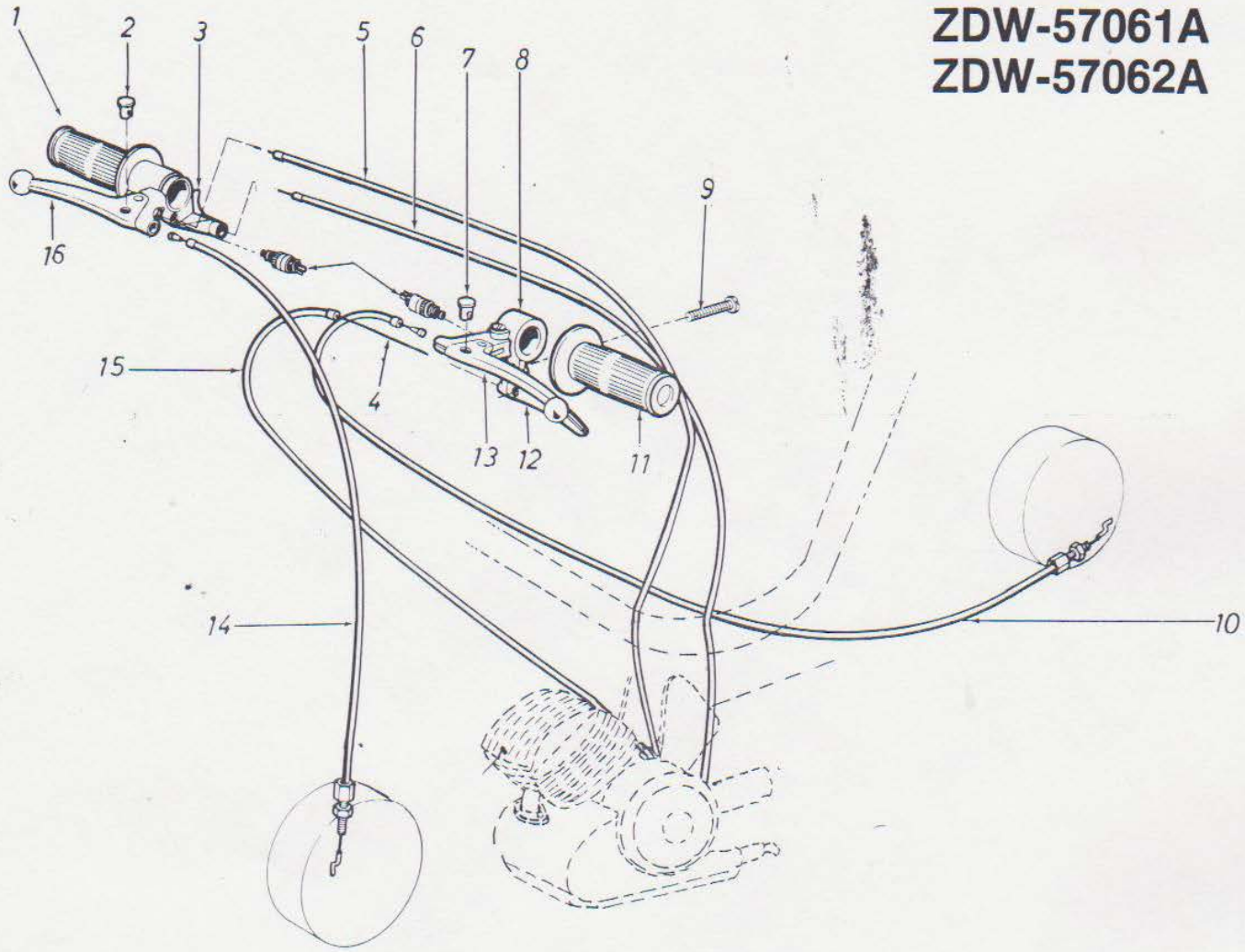
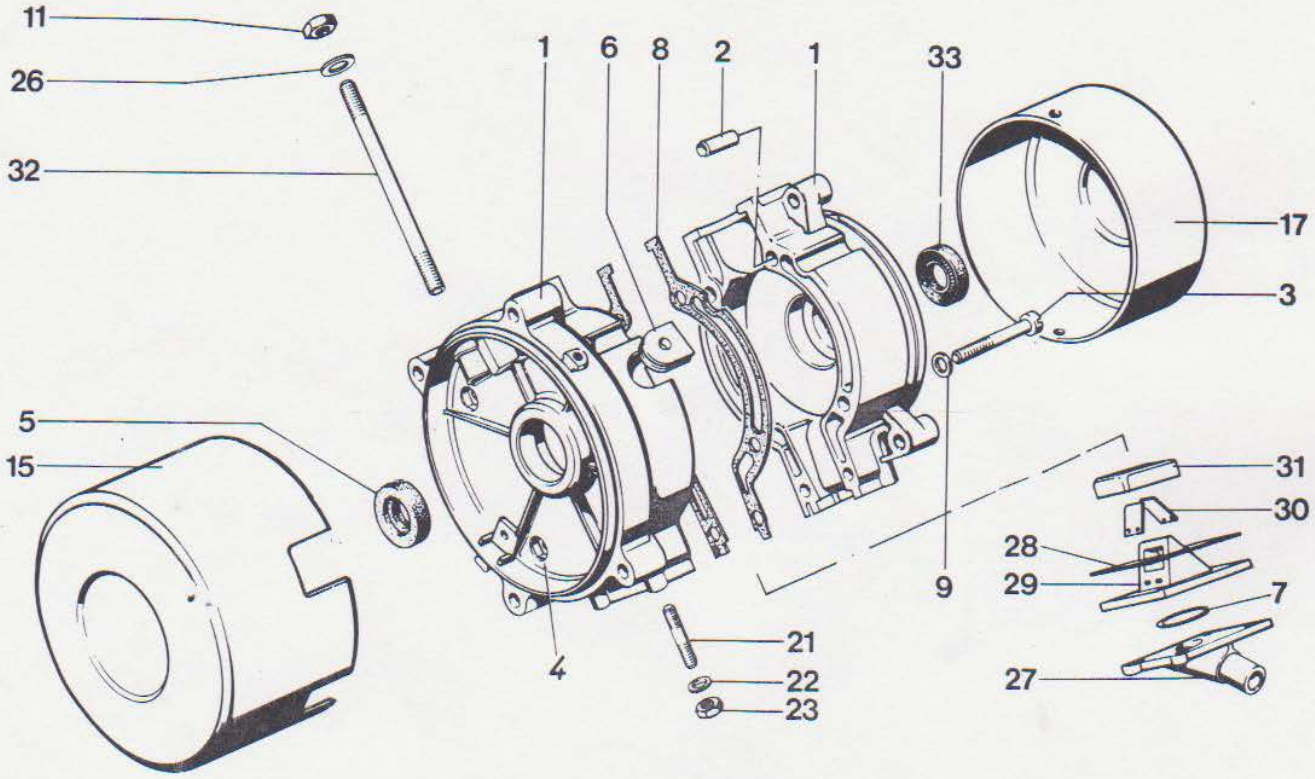
ZDW-57062A



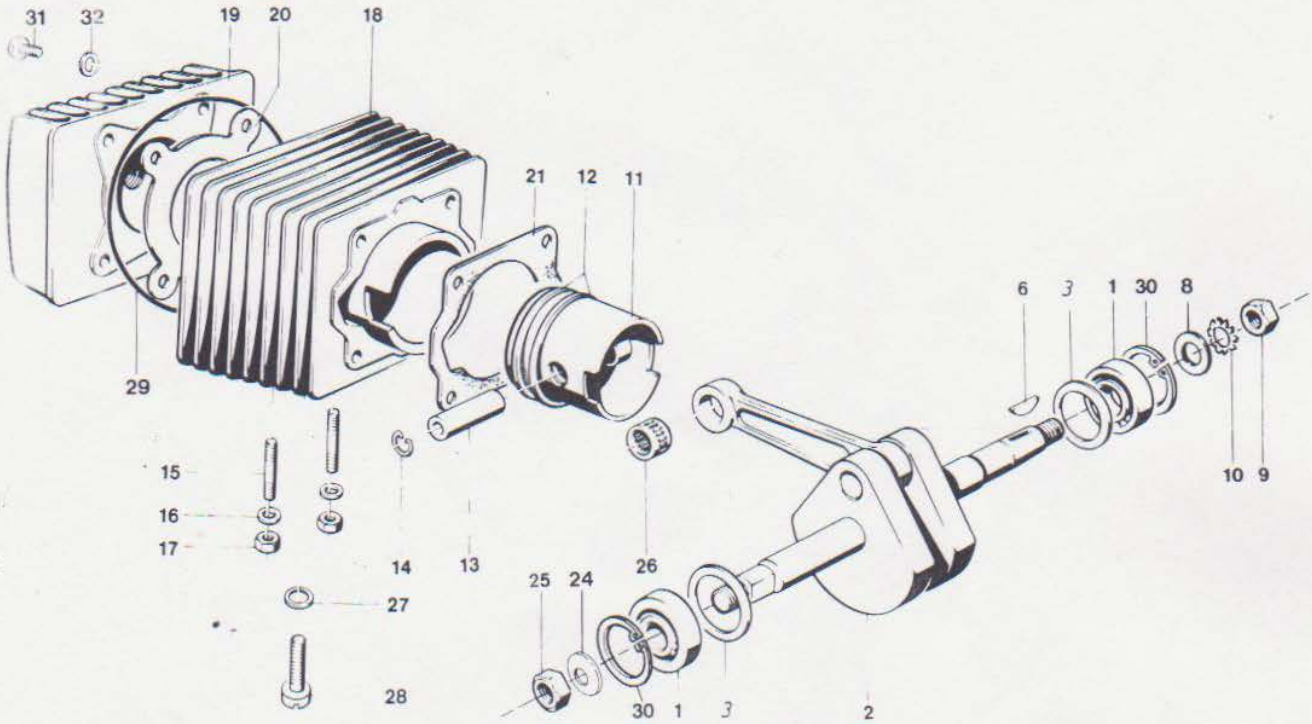
PARTS LIST FOR CONTROLS

REF. NO.	PART NO.	DESCRIPTION
1	746-0284	Throttle Control Comp.
2	746-0286	Nipple Holder
3	MA-270.51-03.1SZ	Choke Lever
4	746-0349	Inner Cable 425
5	746-0347	Throttle Cable 42 x 3.18" Ext.
6	746-0348	Choke Cable 42 x 2.0" Ext.
7	746-0286	Nippler Holder
8	746-0285	Brake Lever Control Comp.
9	MA-HL3-11-1	Truss Mach. Scr. M6 x 15
10	746-0345	Brake Cable 64.8
11	746-0288	Dummy Grip
12	MA-13.1-Z3.2SZ	Compression Lever
13	MA-210.1-03.7TP	Brake Lever
14	746-0344	Brake Cable 38.9
15	746-0346	Starter Cable 37-5.5 Ext.
16	MA-270.1-03.7TP	Brake Lever



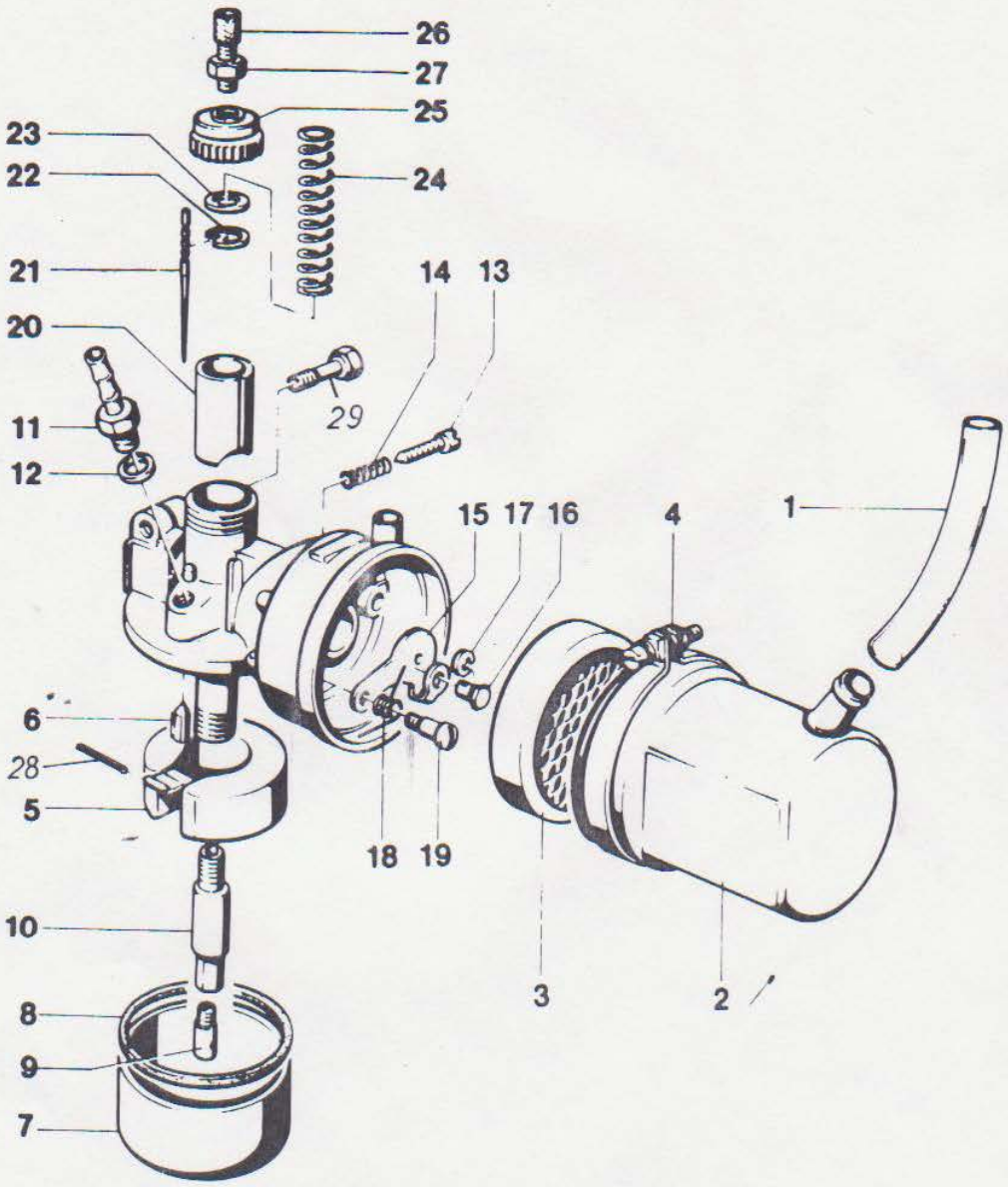
PARTS LIST FOR ENGINE CRANKCASE

REF. NO.	PART NO.	DESCRIPTION
1	SL-2011570	Crankcase—R.H.
	SL-2011572	Crankcase—L.H.
2	SL-0042208	Crankcase Pin
3	SL-0010161	F.H. Screw M6 x 50
4	SL-0020102	Hex Nut M6
5	SL-0054203	Crankshaft Seal 26 x 35 x 7
6	SL-0066217	Ignition Cable Grommet
7	SL-0062112	"O"-Ring
8	SL-2061334	Crankcase Gasket
9	SL-0034107	Spring Washer B6
11	SL-0020169	Hex Nut M6
15	SL-2045460	Cover—Clutch
17	SL-2045455	Cover—Ignition
21	SL-0015158	Stud Screw M5 x 15
22	SL-0034103	Spring Washer B5
23	SL-0020101	Hex Nut M5
26	SL-0031292	Washer
27	SL-2012448	Carburetor Flange
28	SL-2061284	Carburetor Flange Gasket
29	SL-2074525	Reed Valve Housing
30	SL-2042289	Reed Valve
31	SL-2063163	Positioner
32	SL-0015226	Stud Screw
33	SL-0054128	Crankshaft Seal 15 x 35 x 7



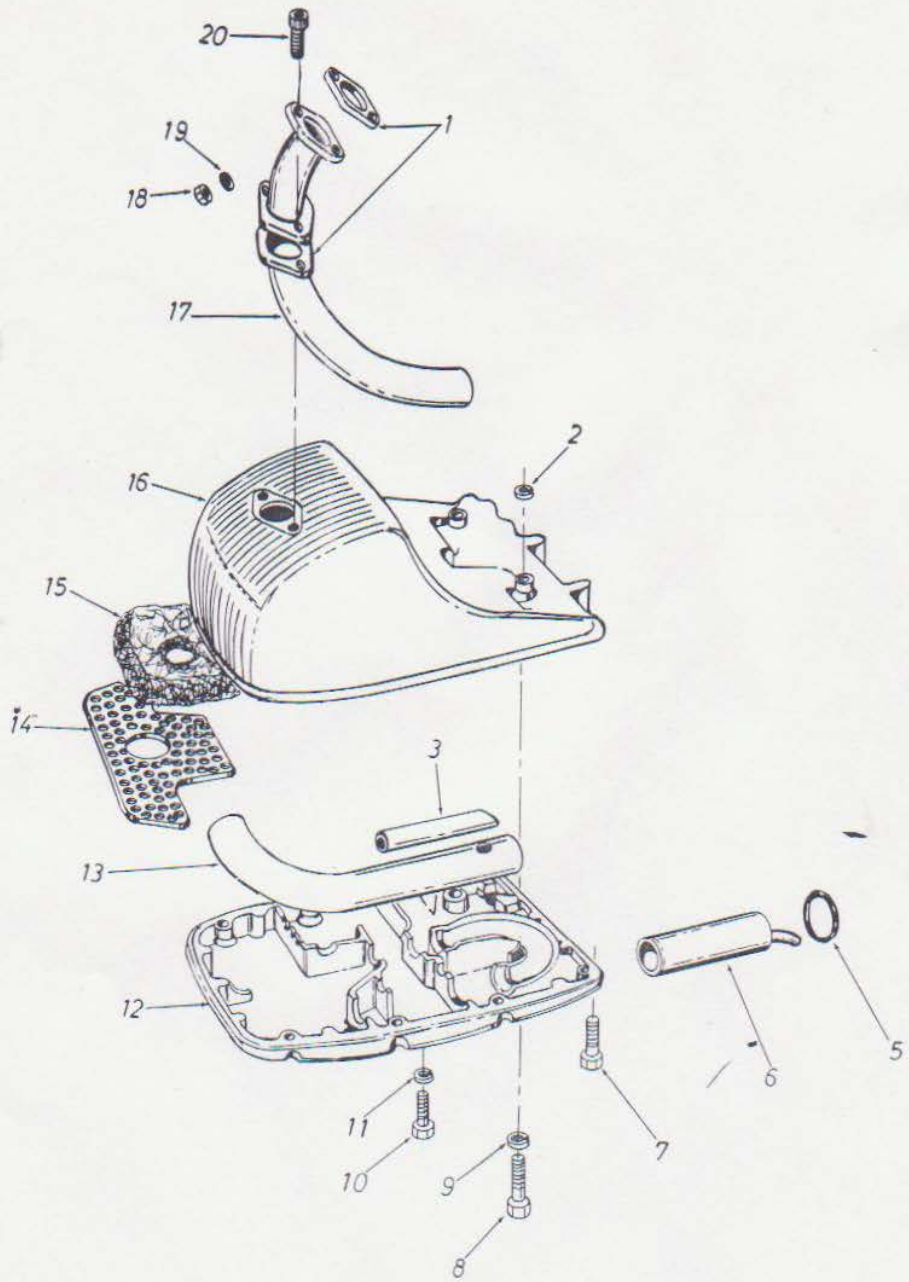
PARTS LIST FOR CRANKSHAFT—PISTON—CYLINDER

REF. NO.	PART NO.	DESCRIPTION
1	SL-0050102	Ball Bearing 15 x 35 x 11
2	SL-2200674	Crankshaft
3	SL-0031375	Spacing Washer 15.3 x 22 x 0.5
6	SL-0075101	Woodruff Key 3 x 3.7
8	SL-0030144	Washer 8.4
9	SL-0020161	Hex Nut M8LH Thd.
10	SL-0034115	Crown Washer 8
11	SL-2200593	Piston Complete
12	SL-2048227	Piston Ring
13	SL-2031238	Piston Pin 10 x 6 x 32
14	SL-0055144	Circlip A10
15	SL-0015201	Stud Screw
16	SL-0030100	Washer 6.4
17	SL-0028100	Hex Nut M6 Thermac
18	SL-2200684	Cylinder Comp.
19	SL-2000685	Cylinder Head
20	SL-2061337	Cylinder Head Gasket
21	SL-2061346	Cylinder Foot Gasket
24	736-0308	Bell.-Wash. .430 I.D. x .90 O.D. x .030
25	712-2200	Hex Jam Nut M10 x 1
26	SL-0052186	Needle Bearing 10 x 14 x 3
27	SL-0061255	Seal 5 x 9 x 1
28	SL-0010266	F.H. Screw M5 x 15
29	SL-0062159	"O"-Ring 101.27 x 2.62
30	SL-0055106	Snap Ring 35
31	SL-0016126	Locking Screw M10 x 1
32	SL-0061210	Seal 10 x 14



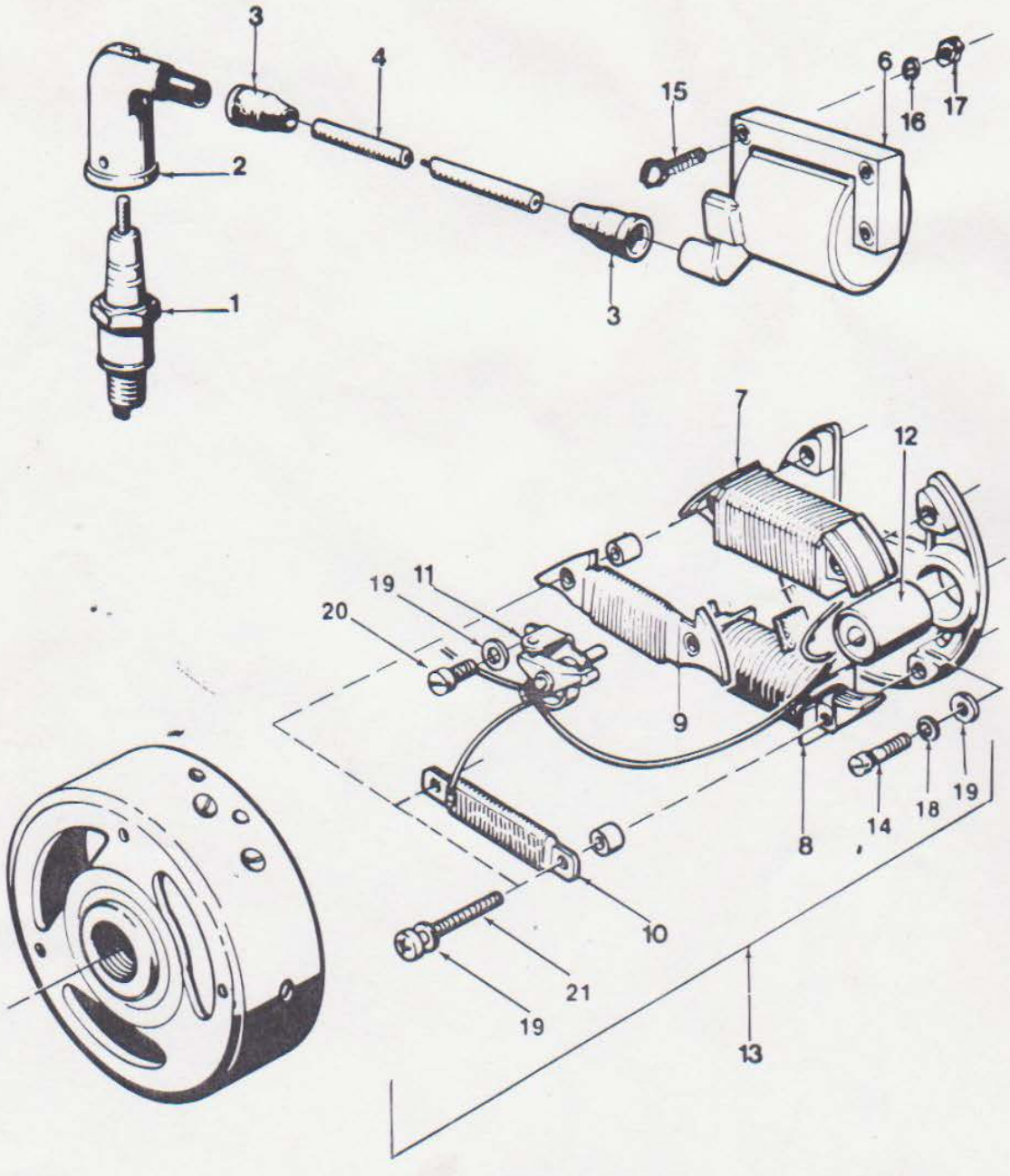
PARTS LIST FOR CARBURETOR SL-2300341

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	SL-0064302	Vinyl Tubing 14 x 2 x 178	16	SL-0510464	Stud
2	SL-2074597	Intake Silencer	17	SL-0510465	Safety Washer
3	SL-2500328	Air Filter Insert	18	SL-0510466	Torsion Spring
4	SL-0066132	Intake Silencer Clamp	19	SL-0510467	Screw
5	SL-0510658	Float	20	SL-0510468	Carburetor Slide
6	SL-0510657	Inlet Needle	21	SL-0510469	Metering Needle
7	SL-0510115	Bowl	22	SL-0510470	Needle Holder
8	SL-0510218	Gasket	23	SL-0510471	Washer
9	SL-0510132	Main Jet Size 58	24	SL-0510472	Slide Spring
10	SL-0510460	Main Jet Seat	25	SL-0510473	Cover
11	SL-0510188	Fuel Line Nipple	26	SL-0510185	Cable Adjuster
12	SL-0510216	Gasket	27	SL-0510127	Nut
13	SL-0510461	Adjusting Screw	28	SL-0510189	Float Hing Pin
14	SL-0510462	Spring	29	SL-0510458	Clamping Screw
15	SL-0510463	Choke			



PARTS LIST FOR MUFFLER SL-2500371

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	SL-2061316	Muffler Gasket	12	SL-2011533	Lower Muffler Housing
2	SL-0030100	Washer—Flat 6.4 Dia.	13	SL-2035856	Inner Tubing
3	SL-2035854	Tuning Tube	14	SL-2042497	Muffler Screen
5	SL-0062171	"O"-Ring 25 x 3	15	SL-0060122	Damper
6	SL-2035859	Exhaust Pipe	16	SL-2011534	Upper Muffler Housing
7	SL-0018191	Star Hd. Scr. M5 x 20	17	SL-2500372	Mainfold
8	SL-0010122	Allen Hd. Scr. M6 x 45	18	SL-0028100	Hex Nut M6
9	SL-0034114	L-Wash. A6	19	SL-0030100	Flat Washer 6.4 Dia.
10	SL-0018191	Star Hd. Scr. M5 x 20	20	SL-0010349	Allen Hd. Scr. M6 x 20
11	SL-0061255	Seal 5 x 9 x 1			



PARTS LIST FOR IGNITION SYSTEM

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	SL-2300103	Spark Plug W225	13	SL-2300395	Ignition Ass'y. Comp. 6V/376 Watt
2	SL-0084100	Spark Plug Connector			
3	SL-0084203	Protective Cap	14	SL-0010293	F.H. Scr. AM4 x 16
4	—	Ignition Cable 7 x 355mm	15	710-0467	Truss Mach. Scr. #10-24 x 1.00" Lg.*
6	SL-2300302	Ignition Coil, Outer			
7	SL-0520148	Ignition Coil, Inner	16	736-0722	L-Wash. #10 Scr.*
8	SL-0520149	Lighting Coil III	17	712-0121	Hex Nut #10-24 Thd.*
9	SL-0520151	Lighting Coil II	18	SL-0034156	Spring Washer 4
10	SL-0520150	Lighting Coil I	19	SL-0030101	Washer 4.3
11	SL-0520146	Breaker Point	20	SL-0010119	F.H. Screw M4 x 30
12	SL-0520147	Condenser	21	SL-0010268	F.H. Screw M4 x 30